NAVY TRAINING SYSTEM PLAN

FOR THE

SJU-17(V) NAVY AIRCREW

COMMON EJECTION SEAT

N88-NTSP-A-50-8517C/P

NOVEMBER 2000

SJU-17(V) NAVY AIRCREW COMMON EJECTION SEAT

EXECUTIVE SUMMARY

The SJU-17(V) Navy Aircrew Common Ejection Seat (NACES) is a Martin-Baker Mk-14 high technology escape system installed on F/A-18C/D Aircraft, procured from Fiscal Year (FY) 89 (and beyond) and are in production deliveries of the T-45A/C, F-14D, and F/A-18E/F. NACES is in Phase III (Production, Deployment, and Operational Support) of the Weapon System Acquisition Process.

Marine Corps Aircraft Safety Equipment Mechanics with Military Occupational Specialty (MOS) 6087 and Navy Aviation Structural Mechanics (Safety Equipment) (AME) with Navy Enlisted Classification (NEC) codes 8341, 8841, 8342, 8842, 8345, 8335, and 8845 maintain the NACES at the organizational level. Navy Aircrew Survival Equipmentmen and Marine Corps Flight Equipment personnel with MOS 6060 maintain the NACES at the intermediate level. The NACES does not require manpower changes at the organizational, intermediate, or depot levels of maintenance.

Martin-Baker provided all levels of initial maintenance training for NACES. Initial training for organizational level maintenance was conducted for Operational Evaluation personnel, Navy instructor cadres, Naval Aviation Depot personnel, as well as industrial personnel involved in the NACES program. Initial training for intermediate level maintenance personnel was conducted in June 1993. Depot level initial training for maintenance personnel was conducted in April 1994.

Follow-on training for aircrew personnel is provided through the appropriate-specific Fleet Readiness Squadron (FRS) and the Naval Aviation Survival Training Program at several Aviation Survival Training Centers. Organizational level maintenance follow-on training is provided by Maintenance Training Unit (MTU) 1007 Naval Air Maintenance Training Unit (NAMTRAU), Oceana, Virginia, for the F-14; and MTU 1038 NAMTRAU Lemoore, California, and MTU 1039 NAMTRAU Oceana, Virginia, for the F/A-18C/D and for the F/A-18E/F. Contractors perform T-45A/C organizational level maintenance and conduct all T-45A/C follow-on maintenance training.

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LIST OF ACRONYMS

AEPS	Aircrew Escape Propulsion System
AIMD	Aircraft Intermediate Maintenance Department
AIRTRAWING	Air Training Wing
ALSS	Aviation Life Support System
AME	Aviation Structural Mechanic (Safety Equipment)
AMSO	Aeromedical Safety Office
AMTCS	Aviation Maintenance Training Continuum System
ASTC	Aviation Survival Training Center
BRU	Barostatic Release Unit
CAD	Cartridge Actuated Device
CBT	Computer-Based Training
CIN	Course Identification Number
CMC	Commandant Marine Corps
CNET	Commander Naval Education and Training
CNO	Chief of Naval Operations
COMNAVAIRESFOR	Commander, Naval Air Reserve Force
COMNAVAIRLANT	Commander, Naval Air Force, Atlantic
COMNAVAIRPAC	Commander, Naval Air Force, Pacific
DM	Development Manuals
DT	Developmental Test
ECP	Engineering Change Proposal
ECS	Environmental Control System
EOD	Explosive Ordnance Disposal
FMA	Fleet Maintainability Article
FMS	Foreign Military Sales
FRS	Fleet Readiness Squadron
FY	Fiscal Year
GFE	Government Furnished Equipment
IETM	Interactive Electronic Technical Manual
ILSP	Integrated Logistics Support Plan
IMA	Intermediate Maintenance Activity

SJU-17(V) NAVY AIRCREW COMMON EJECTION SEAT

LIST OF ACRONYMS

IMP	Initiator, Multi-Purpose
MALS	Marine Aviation Logistics Squadron
MATMEP	Maintenance Training Management and Evaluation Program
MCAS	Marine Corps Air Station
MCCDC	Marine Corps Combat Development Command
MOS	Military Occupational Specialty
MRC	Maintenance Requirements Card
MSD	Material Support Date
MTIP	Maintenance Training Improvement Program
MTU	Maintenance Training Unit
NA	Not Applicable
NACES	Navy Aircrew Common Ejection Seat
NAMTRAGRU DET	Naval Air Maintenance Training Group Detachment
NAMTRAU	Naval Air Maintenance Training Unit
NAS	Naval Air Station
NASTP	Naval Aviation Survival Training Program
NATEC	Naval Air Technical Data and Engineering Service Command
NATOPS	Naval Air Training and Operating Procedures Standardization
NAVAIRINST	Naval Air Systems Command Instruction
NAVAIRSYSCOM	Naval Air Systems Command
NAVAVNDEPOT	Naval Aviation Depot
NAVICP	Naval Inventory Control Point
NAVPERSCOM	Navy Personnel Command
NAWCAD	Naval Air Warfare Center Aircraft Division
NAWCWD	Naval Air Warfare Center Weapons Division
NEC	Navy Enlisted Classification
NSD	Navy Support Date
NSWC, IHDIV	Naval Surface Warfare Center, Indian Head Division
NTP	Navy Training Plan
NTSP	Navy Training System Plan
OPEVAL	Operational Evaluation
OPNAVINST	Office of the Chief of Naval Operations Instruction
OPO	Office of the Chief of Naval Operations Principal Official
OPTEVFOR	Operational Test and Evaluation Force

SJU-17(V) NAVY AIRCREW COMMON EJECTION SEAT

LIST OF ACRONYMS

OT	Operational Test
P³I	Pre-Planned Product Improvement
PICA	Primary Inventory Control Activity
PMA	Program Manager, Air
PR	Aviation Survival Equipmentman
RFT	Ready For Training
SE	Support Equipment
SEAWARS	Seawater Activated Release Switches
TD	Training Device
TTE	Technical Training Equipment
VF	Fighter Squadron
VFA	Fighter-Attack Squadron
VX	Naval Test and Evaluation Squadron
WRA	Weapon Replaceable Assembly
WSPD	Weapon System Planning Document

SJU-17(V) NAVY AIRCREW COMMON EJECTION SEAT

PREFACE

This Proposed Navy Training System Plan (NTSP) for the SJU-17(V) Navy Aircrew Common Ejection Seat (NACES) has been prepared to update the Draft NTSP (N-88-NTSP-A-50-8517B/D) dated April 2000. This NTSP is a product of the Training Planning Process Methodology, as outlined in OPNAV publication P-751-3-9-97. This version reflects the latest information on the NACES program, specifically:

- Minor changes to the depot maintenance concept
- Information on the Aviation Maintenance Training Continuum System (AMTCS)
- Updated Technical Manuals in Part IV
- Updated Points of Contacts in Part VII

PART I - TECHNICAL PROGRAM DATA

A. NOMENCLATURE-TITLE-PROGRAM

1. Nomenclature-Title-Acronym. SJU-17(V) Navy Aircrew Common Ejection Seat (NACES)

2. Program Element. 604264N

B. SECURITY CLASSIFICATION

1. System Characteristics ..... Unclassified
2. Capabilities..... Unclassified
3. Functions..... Unclassified

C. MANPOWER, PERSONNEL, AND TRAINING PRINCIPALS

OPNAV Principal Official (OPO) Program Sponsor ..... CNO (N780G)

OPO Resource Sponsor..... CNO (N780G)

Marine Corps Program Sponsor..... CMC (ASL-33)

Developing Agency..... NAVAIRSYSCOM (PMA202)

Training Agency..... CINCLANTFLT (N721)
CINCPACFLT (N70)
CNET (ETE-32)
COMNAVRESFOR (N33)
MCCDC (C462)

Training Support Agency..... NAVAIRSYSCOM (PMA205)
COMNAVAIRESFOR (N33)

Manpower and Personnel Mission Sponsor..... CNO (N12)
NAVPERSCOM (PERS-4, PERS-404)
CMC (ASM-1)

Director of Naval Training..... CNO (N79)

Commander, Reserve Program Manager .....COMNAVAIRESFOR (N33)

Marine Corps Force Structure..... MCCDC (C53)

D. SYSTEM DESCRIPTION

1. Operational Uses. The SJU-17(V) NACES is the primary seating platform for aircrew in the F-14D, F/A-18C/D/E/F, T-45A/C, and subsequent models of each aircraft. In addition, the NACES provides the aircrew member with a means of emergency egress, in-flight restraint, and necessary cockpit interfaces, such as electrical and oxygen connections.

2. Foreign Military Sales. Foreign countries may procure the NACES by virtue of the aircraft that are equipped with them. Finland, Malaysia, Switzerland, Kuwait, and Thailand have procured F/A-18 Aircraft equipped with the NACES. Information concerning Foreign Military Sales (FMS) of the NACES may be obtained from the NACES Program Manager, Air (PMA) 202.

E. DEVELOPMENTAL TEST AND OPERATIONAL TEST. Engineering Proofing Article One testing was conducted at Naval Air Warfare Center Aircraft Division (NAWCAD), Patuxent River, Maryland, in September 1985, on seats fitting the F/A-18A/B, F/A-18C/D, and F-14D aircraft. Sled testing was conducted at the Naval Air Warfare Center Weapons Division (NAWCWD) China Lake, California, in first quarter Fiscal Year (FY) 86, and third and fourth quarters FY87. In-flight testing was conducted from May through July 1987 at NAWCWD China Lake. (Ultimately, the F/A-18A and F/A-18B Aircraft were not selected for NACES installation.)

The Developmental Test (DT)-1 for the NACES escape system and subsystem began in September 1985 and was completed in first quarter FY89 at NAWCWD China Lake. DT-2A began in August 1985 and was completed in September 1990 at Naval Surface Warfare Center, Indian Head Division (NSWC, IHDIV), Maryland, and NAWCAD Warminster, Pennsylvania. DT-2B was conducted from December 1987 through June 1990 at NAWCWD China Lake.

Operational Evaluation (OPEVAL) logistics and maintenance evaluations began in May 1986 for the F/A-18 seat. The Operational Tests (OT)-2B and OT-2C for the F-14D, F/A-18, and T-45 aircraft began in second quarter FY89 and were completed in second quarter FY90 at NAWCWD China Lake.

For the F/A-18 Aircraft, OT-2A was conducted in second and third quarter FY90 by Naval Test and Evaluation Squadron (VX)-5, NAWCWD China Lake. For the F-14D Aircraft, OT-2A was conducted in third and fourth quarter FY90 by VX-4 at NAWCWD Point Mugu, California. For the T-45 Aircraft, OT-2A was conducted third quarter FY91 through first quarter FY92 by Air Training Wing (AIRTRAWING) Two, Naval Air station (NAS) Kingsville, Texas.

F. AIRCRAFT AND/OR EQUIPMENT/SYSTEM/SUBSYSTEM REPLACED. The NACES has been installed in the F/A-18C/D Aircraft procured after FY88 and in all production

deliveries of T-45A/C, F-14D, and F/A-18E/F aircraft. Due to safety and logistics considerations, all aircraft assigned to a specific squadron will be equipped with the NACES; i.e., there will be no mix of different seats within a squadron. However, the F/A-18 Aircraft Fleet Readiness Squadrons (FRS), Fighter-Attack Squadron (VFA)-106 and VFA-125, have a mix of seats that may include the SJU-5/A, SJU-6/A, and the NACES models SJU-17(V)1/A, SJU-17(V)2/A, and SJU-17(V)9/A. The NACES is available in several models to accommodate various aircraft:

NACES MODEL	**AIRCRAFT TYPE-MODEL-SERIES**
SJU-17(V)1/A	F/A-18C and F/A-18E
SJU-17(V)2/A	F/A-18D/F (Front Seat)
SJU-17(V)3/A	F-14D (Front Seat)
SJU-17(V)4/A	F-14D (Rear Seat)
SJU-17(V)5/A	T-45A/C (Front Seat)
SJU-17(V)6/A	T-45A/C (Rear Seat)
SJU-17(V)9/A	F/A-18D and F/A-18F (Rear Seat)

G. DESCRIPTION OF NEW DEVELOPMENT

1. Functional Description. The NACES is a Martin-Baker Mk-14 Ejection Seat that provides the primary means of aircrew seating. The NACES also provides the means of escape from a disabled aircraft via ejection; in-flight restraint by means of a shoulder harness and lap belts; cockpit interfaces for electrical connection of the seat height adjustment and canopy jettison features; and hook-ups for the oxygen supply system.

The NACES has been designed for commonality, modularity, growth capability, and phased technology insertion to simplify logistics and lower life-cycle costs. A modular construction technique has been employed, which provides excellent component accessibility and permits upgrading of subsystems without changes to the rest of the seat structure.

The NACES is fully automatic, cartridge operated, and rocket assisted. The primary means of control is by electronic sequencer giving variation to ejection events, depending on the aircraft's altitude and speed. The NACES is equipped with an environmentally sealed parachute with a six-year repack cycle.

Each NACES, as installed in the aircraft, comprises five main assemblies described in the following paragraphs:

a. Catapult Assembly. The Catapult Assembly secures the ejection seat to the aircraft structure and provides initial power for ejection of the seat. The catapult consists of an outer barrel and an inner telescopic piston. The barrel is attached to the aircraft structure and the piston and barrel are engaged at the top end by the top latch plunger installed in the Main Beams Assembly.

b. Main Beams Assembly. The Main Beams Assembly is manufactured almost entirely from light alloy and comprises two parallel main beams bridged by top and bottom cross beams. The Main Beams Assembly incorporates several major components and also provides for attachment of the seat bucket assembly and the parachute container. The following major components are incorporated as part of the Main Beams Assembly.

(1) Top Latch Assembly. The Top Latch Assembly, fitted to the left-hand main beam, secures the seat structure to the catapult, and consists of a housing containing a spring-loaded latch plunger, one end of which is shaped to engage the catapult piston.

(2) Drogue and Bridle Assembly. The Drogue and Bridle Assembly is fitted to decelerate and stabilize the ejection seat prior to deployment of the personnel parachute.

(3) Drogue Deployment Catapult. The Drogue Deployment Catapult function is to deploy the stabilization Drogue and Bridle Assembly without becoming entangled with the seat. The electronic sequencer controls the firing of the Drogue Deployment Catapult to ensure the seat is clear of the aircraft before the drogue is deployed.

(4) Parachute Deployment Rocket Motor. The Parachute Deployment Rocket Motor extracts the personnel parachute from the parachute container and enables it to deploy and develop rapidly without becoming entangled in the seat.

(5) Electronic Sequencer. The Electronic Sequencer measures altitude and airspeed at the moment of ejection, identifies the correct recovery sequence, and provides the necessary output signals to enable recovery sequence implementation. The Electronic Sequencer controls drogue deployment and release, personnel parachute deployment, and man-seat separation. Timing varies with altitude and airspeed. An external test receptacle is provided for periodic testing of the Electronic Sequencer.

(6) Thermal Batteries. Two Thermal Batteries supply power to the electronic sequencer. The batteries provide system redundancy; each battery is initiated independently.

(7) Pitot Assemblies. Two Pitot Assemblies incorporating deployable heads are mounted on the main beams behind the parachute container. The pitot heads are maintained in the stowed position by locking mechanisms, which are released during seat ejection. When deployed, the pitot head assemblies supply dynamic pressure inputs to the electronic sequencer.

(8) Multi-Purpose Initiators. Two Initiators, Multi-Purpose (IMP) are attached to the lower outer face of the seat main beams. During the ejection sequence, the IMPs supply gas pressure to operate the barostatic release unit delay mechanism, the underseat rocket motor, the pitot deployment mechanisms, and the internally mounted start switch assemblies.

(9) Barostatic Release Unit. The Barostatic Release Unit (BRU) is located on the right-hand main beam of the seat. The BRU contains an impulse cartridge that is normally initiated by the sequencer to supply gas pressure to release the upper and lower harness locks, and fire the secondary cartridge in the parachute deployment rocket motor. In the event of sequencer failure, the BRU cartridge will be fired by mechanical operation of the BRU.

(10) Shoulder Harness Reel. The Shoulder Harness Reel provides aircrew restraint when connected to the aircrew torso harness. During the ejection sequence it ensures the occupant will be brought to, and locked in the correct posture for ejection.

c. Seat Bucket Assembly. The Seat Bucket Assembly provides seating for the aircrew. Because of aircraft installation requirements, SJU-17(V)1/A, 2/A, and 9/A seat buckets are one-inch wider than SJU-17(V)3/A through 6/A assemblies. The Seat Bucket Assembly includes the following systems and components:

(1) Underseat Rocket Motor. The Underseat Rocket Motors supplement the upward thrust of the catapult to provide sufficient altitude and velocity for safe parachute descent for the aircrewman. The Mk 123 Mod 0 is used for the forward seat of the F/A-18D, T-45A/C, and the F-14D. The Mk 124 Mod 0 is used in the aft seat of the F/A-18D, T-45A/C, F-14D, and in the F/A-18C. The difference between the two motors is the location of the lateral thrust motor, which provides divergence between the forward and aft seats during ejection.

(2) Leg Restraint System. The Leg Restraint System is fitted to the ejection seat to restrain the occupant's legs close to the seat bucket during ejection, thus preventing leg injuries due to flailing.

(3) Ejection Control Handle. The Ejection Control Handle is located on the front of the seat bucket and is connected by link and cross bar to the twin sears of the seat initiator located under the seat bucket. An upward pull of the Ejection Control Handle withdraws the two sears of the seat initiator to simultaneously fire the two seat initiator cartridges, thus initiating the ejection sequence.

(4) Safe-Armed Handle. The Safe-Armed Handle is located on the right hand-side of the seat bucket. Contained within the handle is a catch that locks the handle in either the "Armed" or "Safe" position. The handle is connected to a linkage terminating in a safety plunger, which passes through the link of the ejection control handle when the handle is in the safe position and prevents operation of the ejection control handle.

(5) Emergency Restraint Release System. The Emergency Restraint Release System is a dual mode system, which provides release of the lower harness restraint to

permit emergency ground egress and resumption of the ejection sequence in the event of any failure or failures of the automatic systems.

(6) Seat Height Actuator. The Seat Height Actuator provides vertical adjustment of the seat bucket in relation to the seat beams, enabling occupants to assume the correct sitting height.

d. Parachute Assembly. The Parachute Assembly is comprised of a 21-foot (6.5-meter) diameter GQ Type 5000 personnel parachute packed into a rigid parachute container-headrest and connected to the parachute risers. The parachute risers incorporate Seawater Activated Release Switches (SEAWARS). These switches will automatically release the occupant from his parachute following descent into seawater. The parachute container-headrest is attached to the upper forward face of the ejection seat main beams.

e. Seat Survival Kit. The Seat Survival Kit fits into the seat bucket and consists of a contoured rigid platform that has an emergency oxygen system and a fabric survival package attached. A cushion on top of the platform provides a firm and comfortable seat for the occupant.

2. Physical Description

Height.....	56.60	inches overall
Width	20.75	inches
Weight.....	228	pounds
Seat-back angle		
Normal flight.....	18	degrees
Ejection	22	degrees
Maximum thrust.....	4,800	pounds for 0.25 seconds

3. New Development Introduction. The NACES is provided to aircraft manufacturers as Government Furnished Equipment (GFE) for installation during production. It is installed in Lot XIII and subsequent procured F/A-18C/D Aircraft and all production deliveries of the T-45A/C and F-14D aircraft. The NACES is being installed on the F/A-18E/F Aircraft during production. No retrofits are planned.

4. Significant Interfaces. The NACES interfaces with the aircraft's electrical, oxygen, and canopy jettison systems.

5. New Features, Configurations, or Material. The NACES implements the Pre-Planned Product Improvement (P^3I) Program that allows evolution of a weapon system's capability, utility, and operational readiness in an orderly and cost-effective manner. Through the P^3I philosophy, the NACES can be upgraded or customized to a specific mission requirement by providing growth potential and system flexibility. This is especially effective during the development phase of a new weapon system.

Phase I of the NACES P^3I Program will incorporate all the seat modifications required to provide for increased accommodation and ensure that ejection injury risk for the newly established anthropometric cases is equal to or less than the current injury risk for the extreme aircrew size-mass specified in the original NACES contract. The NACES P^3I goal is to increase accommodation to all of the seven Joint Primary Aircraft Training System (JPATS) body size cases. Test and evaluation of P^3I Phase I will be held at NAWCAD Patuxent River. Dates are TBD.

Phase I Engineering Change Proposal (ECP) MB9230 was approved on June 19, 1999. The change will effect two major components of the ejection seat on T-45A/C and F/A-18C/D/E/F aircraft:

- The seat bucket modification includes shortening the side skins, adding a new back plate, and modifying and installing the seat height actuator.

- The catapult modification includes installing a new breech, installing a ring in the secondary cartridge breech to accommodate a new cartridge, and pressure testing the modified catapult.

Phase I ECP modifications are being incorporated in new production and Fleet retrofit for NACES-equipped F/A-18 and T-45 aircraft, with an estimated completion date of FY04. Fleet retrofit, implemented through modification kits and depot bucket reworks, began in February 2000. Naval Aviation Depot (NAVAVNDEPOT) North Island, California, is performing the NACES modification on a rotable pool schedule, beginning with Trainer and East Coast stationed aircraft, at an estimated rate of 20 per month.

Note: NACES-equipped F-14D Aircraft are not scheduled for P^3I upgrade at this time.

H. CONCEPTS

1. Operational Concept. The operational concept for the NACES is the same as existing ejection seats. The NACES provides the required aircrew seating for mission performance and a means of escape in an emergency situation. The NACES is initiated by the upward pull of the ejection control handle located on the front center of the seat bucket. Separation of the seat from the crewmember and deployment of the parachute are fully automatic after ejection is initiated.

2. Maintenance Concept. The maintenance concept for the NACES follows the general direction and guidance provided by the Naval Aviation Maintenance Program, Office of the Chief of Naval Operations Instruction (OPNAVINST) 4790.2 series, and the Naval Weapons Maintenance Program, OPNAVINST 8600.2B, for the Cartridges, Cartridge Actuated Devices (CAD), and Aircrew Escape Propulsion Systems (AEPS). Martin-Baker warrants the NACES for a period of five years against failure of materials or failure due to workmanship. Failed items are exchanged under supervision of the Commander, Naval Air Forces, Atlantic (COMNAVAIRLANT) and the Commander, Naval Air Forces, Pacific (COMNAVAIRPAC), as

appropriate. The failed unit is returned to Martin-Baker for replacement in kind, warranty adjustment at contractor expense, or repair under the Repair of Repairables contract at Navy expense, as appropriate.

The T-45A/C NACES is maintained by McDonnell Douglas. Failed items are directly exchanged with Martin-Baker.

a. Organizational. Organizational level maintenance is performed at the squadron level by Aviation Structural Mechanic (Safety Equipment) (AME) personnel for F-14D and F/A-18C/D/E/F aircraft, and Marine Corps personnel with Military Occupational Specialty (MOS) 6087, Aircraft Safety Equipment Mechanic, F/A-18C/D Aircraft. Personnel from Work Center 13B (Egress and Environmental Systems Shop) maintain the NACES with assistance as needed from Work Center 220 (Electrical Shop) and Work Center 13A (Aircrew Survival Equipment Shop).

(1) Preventive Maintenance. Preventive maintenance is conducted at specified intervals per established procedures in Maintenance Requirement Cards (MRC). Preventive maintenance actions include removal and replacement of system components at scheduled intervals, corrosion inspections, special inspections, lubrication, and daily inspections.

(2) Corrective Maintenance. Corrective maintenance consists of system testing, and removing and replacing system components when failures are identified. Fault isolation and failure detection is conducted to the Weapon Replaceable Assembly (WRA) level.

b. Intermediate. Navy maintenance personnel in the Aircrew Survival Equipmentman (PR) rating and Marine Corps Flight Equipment personnel with MOS 6060 perform intermediate level maintenance on the main parachute and the survival kit. NACES Intermediate Maintenance Activities (IMA) have been established by COMNAVAIRLANT and COMNAVAIRPAC for maintaining the NACES six-year environmentally sealed parachute and the survival kit. IMAs for the West Coast are:

- NAWCWD China Lake, California
- Aircraft Intermediate Maintenance Department (AIMD), NAS Lemoore, California
- Marine Aviation Logistics Squadron (MALS)-11, Marine Corps Air Station (MCAS) Miramar, California
- MALS-12, MCAS Iwakuni, Japan *

IMAs for the East Coast are:

- AIMD, NAS Oceana, Virginia
- AIMD, NAS Sigonella, Sicily *
- MALS-31, MCAS Beaufort, South Carolina

* IMAs not equipped with a parachute packing press utilize other Navy and Marine Corps IMAs who have a parachute packing press for repack.

c. Depot. Depot level maintenance consists of fault isolation and failure detection of WRAs to the piece part using peculiar support equipment and common support equipment. The component is repaired, then verified as Ready For Issue, and returned to the supply system. NAVAVNDEPOT Cherry Point, North Carolina, serves as the In-Service Fleet Support Team. NAVAVNDEPOT North Island has been selected as the NACES component repair activity. NSWC, INDIV is responsible for all cartridges, CADs, and AEPS devices that are reworkable. The Navy Support Date (NSD) for the NACES was October 1994.

d. Interim Maintenance. Naval Air Technical Data and Engineering Service Command (NATEC) representatives are providing post-NSD follow-on support.

e. Life-Cycle Maintenance Plan. Not Applicable (NA)

3. Manning Concept. The NACES did not require additional manning at the organizational, intermediate, or depot levels of maintenance. No changes were required to the existing billet structure or available skill levels.

The T-45A/C Aircraft is under full contractor maintenance support. The Navy Logistics Maintenance Monitoring Team at each AIRTRAWING received specialized T-45A/C related NACES training at Douglas Aircraft Company.

Instructor billet requirements at Maintenance Training Unit (MTU) 1038 Naval Air Maintenance Training Unit (NAMTRAU) Lemoore, California, and MTU 1039 NAMTRAU Oceana were initiated with the original NACES NTP A-50-8517.

4. Training Concept. The appropriate aircraft FRS and the respective Aviation Survival Training Center (ASTC) provide operator training for the NACES. The appropriate NAMTRAU provides follow-on training for organizational level Navy AME and Marine Corps MOS 6087 personnel as follows:

F-14D Aircraft..... MTU 1007 NAMTRAU Oceana

F/A-18 Aircraft ..... MTU 1038 NAMTRAU Lemoore
MTU 1039 NAMTRAU Oceana

The established training concept for most aviation maintenance training divides "A" School courses into two or more segments called *Core* and *Strand*. Many organizational level "C" School courses are also divided into separate *Initial* and *Career* training courses. "A" School *Core* courses include general knowledge and skills training for the particular rating, while "A" School *Strand* courses focus on the more specialized training requirements for that rating and a specific aircraft or equipment, based on the student's fleet activity destination. *Strand* training immediately follows *Core* training and is part of the "A" School. Upon completion of *Core* and *Strand* "A" Schools, graduates going to organizational level activities attend the

appropriate *Initial* "C" School for additional specific training. *Initial* "C" School training is intended for students in paygrades E-4 and below. *Career* "C" School training is provided to organizational level personnel, E-5 and above, to enhance skills and knowledge within their field. "A" School graduates going to intermediate level activities attend the appropriate intermediate level "C" School. Intermediate level "C" Schools are not separated into *Initial* and *Career* courses. Marine Corps graduates of *Core* and *Strand* "A" school attend the appropriate *Career* "C" School for additional training on a specific type of aircraft or equipment, and to enhance skills and knowledge within their field. Graduates from "C" School receive their primary MOS.

Contractors conduct follow-on training for T-45A/C organizational level maintenance personnel.

Organizational and intermediate level maintenance training for Japanese National contract personnel at Atsugi, Japan, is coordinated through the Commander Fleet Air Western Pacific liaison office located at NAS Atsugi, Japan.

a. Initial Training

(1) Operator

(a) Operational Evaluation Personnel. Martin-Baker provided the initial aircrew and organizational level maintenance training as follows:

COMMUNITY	LOCATION	DATE	STUDENTS
F/A-18	NAWCAD China Lake	June 1990	Operational Test and Evaluation Force (OPTEVFOR) and VX-5 personnel
F-14D	NAWCWD Point Mugu	July 1990	OPTEVFOR and VX-4 personnel
T-45	NAS Kingsville	June 1991	OPTEVFOR and AIRTRAWING TWO personnel

(b) Instructors. Martin-Baker provided initial training at MTU 1008 Naval Air Maintenance Training Group Detachment (NAMTRAGRU DET) Miramar, California, for ASTC, FRS instructors, and NAWCAD Warminster personnel in May 1990. Martin-Baker also provided training at ASTC NAS Norfolk, Virginia, for other ASTC instructors in May 1991. Both courses were four days in length. (The remaining ASTC instructors received training from instructors who attended initial training.)

(2) Maintenance

(a) Organizational. Navy and Marine Corps NAMTRAU instructors, NATEC personnel, and NAVAVNDEPOT Norfolk, Virginia, personnel received two weeks of organizational level maintenance initial training from Martin-Baker in May 1990 at MTU 1008 NAMTRAGRU DET Miramar.

(b) Intermediate. Martin-Baker provided intermediate level maintenance initial training for Navy PR and Marine Corps MOS 6060 instructors, NAVAVNDEPOT Norfolk personnel, and NAWCAD China Lake personnel in June 1993. Personnel from McDonnell Douglas also attended this training.

(3) Industrial Personnel. Martin-Baker provided Fleet Maintainability Article (FMA) initial training to FMA personnel in FY88. FMA training was conducted at Grumman Aircraft Corporation for the F-14D, and at McDonnell Douglas Corporation for the F/A-18 and T-45 aircraft.

NAVAVNDEPOT Norfolk personnel attended initial training for organizational level maintenance at MTU 1008 NAMTRAGRU DET Miramar in May 1990.

T-45 maintenance personnel from McDonnell Douglas and NAVAVNDEPOT Norfolk attended intermediate level initial training at MTU 1039 NAMTRAGRU DET Cecil Field (now NAMTRAU Oceana) in June 1993.

Martin-Baker provided aircraft depot level maintenance training.

b. Transition Training. The respective NAMTRAU or NAMTRAGRU DET provided all transition training for organizational level maintenance personnel assigned to a squadron employing NACES-equipped aircraft. Transition training also included intermediate level maintenance training, fleet aircrew training, instructor training, and NAVAVNDEPOT personnel training. A certificate was awarded upon the successful completion of NACES training.

(1) Aircrew. ASTC Pensacola, Florida, personnel were responsible for ensuring all ASTC personnel received training on the NACES seat operation. ASTC instructors who did not attend the NACES initial training received training from those instructors who attended initial training. Aircrew personnel assigned to squadrons consisting of NACES-equipped aircraft received training on the NACES seat operation from the appropriate ASTC.

(2) Maintenance. NAMTRAGRU DETs or NAMTRAUs provided NACES organizational level maintenance training to fleet personnel assigned to a squadron that received NACES-equipped aircraft. In addition, MTUs 1038 and 1039 provided intermediate level maintenance training to those PR personnel who supported NACES-equipped aircraft.

(3) Industrial Personnel. Organizational and intermediate level maintenance training for designated NAVAVNDEPOT personnel were provided by the

respective NAMTRAGRU DETs. Intermediate level maintenance training was provided by MTU 1038 NAMTRAU Lemoore and MTU 1039 NAMTRAU Oceana. This training was coordinated through the Naval Aviation Maintenance Training Group Headquarters and the quota control for training by the respective detachments. This allowed NAVAVNDEPOT personnel to obtain the training required.

c. Follow-on Training. The respective NAMTRAGRU DETs or NAMTRAUs conduct organizational level maintenance training for the F-14D and F/A-18C/D/E/F aircraft. Contractors perform T-45A/C organizational level maintenance, and are responsible for follow-on maintenance training of the T-45A/C Aircraft.

(1) Operator Training. Aircrew members receive training through the Naval Aviation Survival Training Program (NASTP) and the appropriate FRS.

(a) Naval Aviation Survival Training Program. ASTCs conduct several aviation physiology training courses to meet the various needs of the fleet through the NASTP. Each physiology training course provides some aspect of Aviation Life Support System (ALSS) training as needed. This includes the proper ways of wearing, adjusting, and using the numerous garments, helmets, and masks; use of emergency and rescue equipment such as survival vests, radios, rafts, and parachutes; and procedures for employing an ejection seat. Refer to the NASTP NTSP (N88-NTSP-A-50-9803/D) for information on specific NACES training provided by the ASTCs.

(b) Fleet Readiness Squadrons. The FRSs provide aircraft-specific training, including seat envelope training and when-to-eject training. This training is taught per the aircraft platform's Naval Air Training and Operating Procedures Standardization (NATOPS) manual and other applicable documentation. Refer to the respective aircraft NTSP for specific course information on aircrew training conducted at the FRSs.

(2) Maintenance

(a) Organizational. Prior to duty at a squadron employing NACES-equipped aircraft, Navy AME and Marine Corps MOS 6087 personnel attend the appropriate NAMTRAGRU DET or NAMTRAU for follow-on organizational level maintenance training. NACES follow-on training for the F-14D and F/A-18C/D aircraft is taught as part of the *Initial* organizational maintenance training track only. No NACES training is given during the *Career* organizational maintenance training track.

1) F-14D and F/A-18C/D. Currently, the NACES curriculum has been incorporated into *D-602-1667, F-14 Environmental Control/Escape Systems (Initial) Organizational Maintenance Course*. This curriculum includes both the GRU-7 Ejection Seat and NACES, which are employed by F-14A/B/D Aircraft. Course *D/E-602-0662, F/A-18 Environmental Control Systems and Safety Equipment (Initial) Organizational Maintenance Course*, has a curriculum that includes all three ejection seats employed by

F/A-18A/B/C/D Aircraft (including the NACES). Organizational level maintenance training tracks that provide NACES training are:

Title	**F-14 Environmental/Escape Systems (Initial) Organizational Maintenance**
CIN .....……	D-602-1667
Model Manager ...	MTU 1007 NAMTRAU Oceana
Description	This track provides the Safety Equipment Technician (E-4 and below) with sufficient knowledge and skills, including: ° Component location and characteristics ° Cartridge service life computation ° Preventive maintenance and inspection requirements Upon completion, the student will be able to perform organizational maintenance on the F-14 Environmental and Escape Systems in a squadron environment under direct supervision.
Location	MTU 1007 NAMTRAU Oceana
Length	39 days
RFT date	Currently available
Skill identifier	AME 8845
TTE/TD	Refer to Part IV for detailed information on Technical Training Equipment (TTE) and Training Devices (TD).
Prerequisite ……...	C-602-2034, Aviation Structural Mechanic Environmental (Safety Equipment) Egress Strand Class A1

Title	**F/A-18 Safety Equipment (Initial) Organizational Maintenance**
CIN	D/E-602-0662
Model Manager ...	MTU 1038 NAMTRAU Lemoore
Description	This track provides USN (E-4 and below) and USMC Safety Equipment Technicians with sufficient maintenance knowledge and skills, including: ° Environmental Control System (ECS) ° Oxygen Enriched Air System ° SJU-5/A and 6/A Ejection Seat ° SJU-17(V) 1/A and 2/A NACES ° Canopy and Emergency Escape Sequencing of F/A-18A/B/C/D Aircraft ° Applicable test equipment, Support Equipment (SE), publications, and safety precautions Upon completion the student will be to perform organizational maintenance in a squadron environment under direct supervision.
Locations.....	° MTU 1039 NAMTRAU Oceana ° MTU 1038 NAMTRAU Lemoore
Length	32 days
RFT date	Currently available
Skill identifier	° AME 8842 ° MOS 6087
TTE/TD	Refer to Part IV for detailed information on TTE and TD.
Prerequisite ….....	C-602-2034, Aviation Structural Mechanic Environmental (Safety Equipment) Egress Strand Class A1

2) F/A-18E/F Courses. MTU 1038 NAMTRAU Lemoore began teaching *E-602-0664, F/A-18E/F Environmental Control Systems and Safety Equipment (Initial) Organizational Maintenance Course*, which includes NACES training, in September 2000. MTU 1039 NAMTRAU Oceana is scheduled to begin teaching the same course, *D-602-0664*, in FY04.

Title	**F/A-18E/F Safety Equipment (Initial) Organizational Maintenance**
CIN	D/E-602-0664
Model Manager ...	MTU 1038 NAMTRAU Lemoore
Description	This track provides the Safety Equipment Technician (E-4 and below) with sufficient maintenance knowledge and skills, including: ° Bleed air leak detection ° Cabin and avionics cooling ° ECS, Oxygen Enriched Air System ° SJU-17(V) 1/A and 2/A NACES ° Canopy, and Emergency Escape Sequencing of F/A-18E/F Aircraft ° Applicable test equipment, SE, publications, and safety precautions Upon completion the student will be to perform organizational maintenance in a squadron environment under direct supervision.
Locations.....	° MTU 1038 NAMTRAU Lemoore ° MTU 1039 NAMTRAU Oceana
Length	33 days
RFT dates	° MTU 1038: Currently available ° MTU 1039: FY04
Skill identifier	AME 8841
TTE/TD	960182-1202-01 Ejection Seat Naval Air Maintenance Trainer (NAMT)
Prerequisite ……...	C-602-2034, Aviation Structural Mechanic Environmental (Safety Equipment) Egress Strand Class A1

(b) Intermediate. Navy PR and Marine Corps MOS 6060 intermediate maintenance personnel receive the NACES parachute, drogue chute, and survival kit training in *C-602-2035, Aircrew Survival Equipmentman Common Core Class A1*, and by On-the-Job Training at their respective IMAs. Support of the NACES parachute packing presses is performed via commercial (contractor) maintenance.

(3) Industrial Personnel. Follow-on training is available to industrial personnel through their respective NAVAVNDEPOTs per Naval Air Systems Command Instruction (NAVAIRINST) 1500.2 Series and appropriate contracts.

c. Student Profiles

SKILL IDENTIFIER	PREREQUISITE SKILL AND KNOWLEDGE REQUIREMENTS
AME 8841 8842 8845	° C-602-2033, Aviation Structural Mechanic E (Safety Equipment) Common Core Class A1 ° C-602-2034, Aviation Structural Mechanic E (Safety Equipment) Egress Strand Class A1
MOS 6087	° C-602-2033, Aviation Structural Mechanic E (Safety Equipment) Common Core Class A1 ° C-602-2034, Aviation Structural Mechanic E (Safety Equipment) Egress Strand Class A1

d. Training Pipelines

(1) Aircrew. Aircrew familiarization courses have been updated concurrent with the first installation of the NACES in the corresponding type aircraft by the FRS aircrew instructors. NASTP conducted at ASTCs is currently RFT with NACES training and is part of the aircrew pipeline training. No revisions are required.

(2) Organizational Maintenance. The F-14D, F/A-18C/D, and F/A-18E/F Aircraft organizational level maintenance training tracks, which include NACES, are as follows:

(a) D-602-1667, F-14 Environmental Systems Initial Organizational Maintenance. The NACES has been added to this existing training track.

(b) D/E-602-0662, F/A-18 Safety Equipment Initial Organizational Maintenance. The NACES has been added to this existing training track.

(c) D/E-602-0664, F/A-18E/F Safety Equipment Initial Organizational Maintenance. The NACES is incorporated into this existing training track.

(3) Intermediate Maintenance. NA

(4) Explosive Ordnance Disposal Training. Explosive Ordnance Disposal (EOD) courses A-431-0011 and A-431-0012 include general training in recognition, safety procedures, disarming, and removal of CADs and AEPS devices. EOD personnel will respond in cases of crash, fire, and partial or full ejection involving an aircraft equipped with an ejection seat. NACES specific training is not required for EOD personnel.

I. ONBOARD (IN-SERVICE) TRAINING

1. Proficiency or Other Training Organic to the New Development. The training tracks are in place to provide the knowledge needed to accomplish the tasks associated with NACES. Sharpening of these skills and keeping up to date with the latest advancements can be accomplished in the field with the use of available programs. The AMTCS will provide career path training to the Sailor or Marine from their initial service entry to the end of their military career. AMTCS is planned to be an integrated system that will satisfy the training and administrative requirements of both the individual and the organization. The benefits will be manifested in the increased effectiveness of the technicians and the increased efficiencies of the management of the training business process. By capitalizing on technological advances and integrating systems and processes where appropriate, the right amount of training can be provided at the right time to meet the CNO's mandated "just-in-time" training approach. Technology investments enable the development of several state-of-the-art training and administrative tools: Computer-Based Training (CBT) for the technicians in the Fleet in the form of Interactive Courseware (ICW) with Computer Managed Instruction (CMI) and Computer Aided Instruction (CAI) for the schoolhouse.

Included in the AMTCS development effort is the Aviation Maintenance Training Continuum System - Software Module (ASM) which provides testing [Test and Evaluation (TEV)], recording [Electronic Training Jacket (ETJ)], and a Feedback system. The core functionality of these AMTCS tools are based and designed around the actual maintenance-related tasks the technicians perform, and the tasks are stored and maintained in a Master Task List (MTL) data bank. These tools are procured and fielded with appropriate COTS hardware and software, i.e., Fleet Training Devices (FTD) - Laptops, PCs, Electronic Classrooms (ECR), Learning Resource Centers (LRC), operating software, and network software and hardware.

Upon receipt of direction from OPNAV (N789H), AMTCS is to be implemented and the new tools integrated into the daily training environment of all participating aviation activities and supporting elements. AMTCS will serve as the standard training system for aviation maintenance training within the Navy and Marine Corps, and is planned to supersede the existing MTIP and Maintenance Training Management and Evaluation Program (MATMEP) programs. For more information on AMTCS refer to PMA205-3D3.

2. Personnel Qualification Standards. NA

3. Other Onboard or In-Service Training Packages. Marine Corps onboard training is based on the current series of MCO P4790.12, Individual Training Standards System and MATMEP. This program is designed to meet Marine Corps, as well as Navy OPNAVINST 4790.2 series, maintenance training requirements. It is a performance-based, standardized, level-progressive, documentable, training management and evaluation program. It identifies and prioritizes task inventories by MOS through a front-end analysis process that identifies task, skill, and knowledge requirements of each MOS. MTIP questions coupled to MATMEP tasks will help identify training deficiencies that can be enhanced with refresher training. (MATMEP is planned to be replaced by AMTCS.)

J. LOGISTICS SUPPORT

1. Manufacturer and Contract Numbers

CONTRACT NUMBER	MANUFACTURER	ADDRESS
N00019-85-C-0143	Martin-Baker Aircraft Company	Lower Road, Higher Denham Middlesex, England

2. Program Documentation. The NACES Integrated Logistics Support Plan (ILSP) dated July 1990 is currently being updated by Martin-Baker Aircraft Company, with an estimated delivery date of second quarter FY01.

3. Technical Data Plan. All NACES and aircraft related technical manuals are currently available. Refer to element IV.B.3 for applicable technical manuals required at the training sites.

The F/A-18E/F technical documents and manuals will be developed using the F/A-18C/D structure and equipment as a baseline. The technical data and manuals will be subject to validation by prime contractors and verification by AIR 3.3.2, the designated review activity for the technical data.

a. F/A-18E/F Development Manuals. Development Manuals (DM) were provided to support the initial delivery of Low Rate Initial Production-1 aircraft. DMs were supplied in paper copy and Interactive Electronic Technical Manual (IETM) media and are available for use during training at MTU 1038 NAMTRAU Lemoore.

b. F/A-18E/F Formal Technical Manuals. The DMs are updated and converted to formal technical manuals six times a year by Boeing Aircraft. Formal technical manuals are available for the Ready for Training (RFT) date in IETMs media. SE, intermediate, and depot level technical manuals will be supplied on a schedule that coincides with Navy maintenance capability requirements. Technical manual In-Process Review, validation, and verification requirements are all detailed in the F/A-18E/F ILSP.

4. Test Sets, Tools, and Test Equipment. Existing NACES support equipment available in the Navy inventory is used wherever possible. Refer to element IV.A.1 for applicable Test Sets, Tools, and Test Equipment required at the training sites.

5. Repair Parts. The Naval Inventory Control Point (NAVICP) Mechanicsburg, Pennsylvania, performs the Primary Inventory Control Activity (PICA) functions and provisions for the necessary spares and repair parts. The Material Support Date (MSD) was achieved in October 1994. The Naval Ordnance Center, Inventory Management and Systems Division, is the PICA for cartridges, CADs, and AEPS. The NSD for cartridges, CADs, and AEPS was achieved in October 1990.

6. Human Systems Integration. NA

K. SCHEDULES

1. Installation and Delivery Schedules. The NACES is provided to aircraft manufacturers as GFE for installation during production. It is installed in Lot XIII and subsequent procured F/A-18C/D Aircraft and production deliveries of the T-45A/C and F-14D aircraft. The NACES is installed on the F/A-18E/F Aircraft during production. No retrofits of non-NACES-equipped aircraft are planned. For more information on aircraft delivery schedules, refer to the appropriate Weapon System Planning Document (WSPD) or NTSP.

NACES DELIVERY SCHEDULE

ACTIVITY	PFY	FY01	FY02	FY03	FY04
F-14D	114	0	0	0	0
F/A-18C	287	0	0	0	0
F/A-18D	189	0	0	0	0
F/A-18E	50	14	30	31	31
F/A-18F	106	56	30	34	34
T-45A/C	304	24	6	0	0
TOTAL	**1050**	**94**	**66**	**65**	**65**

Phase I of the NACES P^3I Program ECP modifications are being incorporated in new production and Fleet retrofit for NACES-equipped F/A-18 and T-45 aircraft, with an estimated completion date of FY04. Fleet retrofit, implemented through modification kits and depot bucket reworks, began in February 2000. NAVAVNDEPOT North Island is performing the NACES modification on a rotatable pool schedule, beginning with Trainer and East Coast stationed aircraft, at an estimated rate of 20 per month.

F-14 Aircraft are being replaced by new production F/A-18E/F Aircraft. As each F-14 squadron is replaced, personnel with F-14 peculiar Navy Enlisted Classifications (NEC) will attend difference training and then be reassigned the appropriate F/A-18E/F NEC. The following schedule shows the estimated transition time frame for each of the F-14 squadrons and which model of the F/A-18E/F Aircraft will be replacing it.

F-14 TRANSITION SCHEDULE

ACTIVITY	CY	PRESENT AIRCRAFT	NEW AIRCRAFT
VF-41	2002	F-14A	F/A-18F
VF-14	2002	F-14A	F/A-18E
VF-211	2003	F-14A	F/A-18F
VF-154	2003	F-14A	F/A-18F
VF-11	2005	F-14B	F/A-18F
VF-102	2005	F-14B	F/A-18F
VF-32	2006	F-14B	F/A-18F
VF-143	2007	F-14B	F/A-18F
VF-103	2007	F-14B	F/A-18F
VF-31	2007	F-14D	F/A-18F
VF-2	2008	F-14D	F/A-18F
VF-213	2008	F-14D	F/A-18F

Some F/A-18C Aircraft are being replaced by new production F/A-18E Aircraft. As each of these F/A-18C squadrons are replaced, personnel with the F/A-18A/B/C/D peculiar NECs will attend difference training and then be reassigned the appropriate F/A-18E NEC. The following schedule shows the estimated transition time frame for each of these selected F/A-18C squadrons.

F/A-18C TRANSITION SCHEDULE

ACTIVITY	CY	PRESENT AIRCRAFT	NEW AIRCRAFT
VFA-115	2001	F/A-18C	F/A-18E
VFA-27	2003	F/A-18C	F/A-18E
VFA-86	2004	F/A-18C	F/A-18E
VFA-97	2004	F/A-18C	F/A-18E
VFA-81	2005	F/A-18C	F/A-18E
VFA-137	2006	F/A-18C	F/A-18E

ACTIVITY	CY	PRESENT AIRCRAFT	NEW AIRCRAFT
VFA-146	2006	F/A-18C	F/A-18E
VFA-137	2006	F/A-18C	F/A-18E

2. Ready For Operational Use Schedule. NA

3. Time Required to Install at Operational Sites. NA

4. Foreign Military Sales and Other Source Delivery Schedule. For information concerning FMS deliveries of NACES-equipped aircraft, contact PMA202.

5. Training Device and Technical Training Equipment Delivery Schedule. NACES maintenance trainers are located at:

- MTU 1007 NAMTRAU Oceana
- MTU 1038 NAMTRAU Lemoore
- MTU 1039 NAMTRAU Oceana

All cartridges, CADs, and AEPSs must be certified as inert by NSWC, IHDIV. Martin-Baker and McDonnell Douglas must have a letter of authorization to certify any explosive device as inert. Local Explosive Ordnance Divisions may also certify ordnance inert after a thorough inspection (per OPNAVINST 8020 Series). Refer to elements IV.A.1 and IV.A.2 for applicable TTE.

The NACES delivered to the ASTCs as TTE were modified for 9E6 Ejection Seat Rail compatibility. Each activity receiving an ejection seat was required to procure an ejection seat stand prior to NACES delivery. The following is a list of NACES TTE required for the NASTP with the exception of the Aeromedical Safety Office (AMSO) at MCAS Beaufort.

NACES VERSION	LOCATION
SJU-17(V)3/A	ASTC Jacksonville, Florida
SJU-17(V)3/A	ASTC Norfolk, Virginia
SJU-17(V)3/A	ASTC Miramar, California
SJU-17(V)4/A	ASTC Lemoore, California
SJU-17(V)5/A	ASTC Pensacola, Florida
SJU-17(V)5/A	ASTC Lemoore, California
SJU-17(V)5/A	ASTC Cherry Point, North Carolina

NACES VERSION	LOCATION
SJU-17(V)5/A	ASTC Miramar, California
SJU-17(V)6/A	ASTC Patuxent River, Maryland
SJU-17(V)6/A	ASTC Pensacola, Florida
SJU-17(V)6/A	AMSO Beaufort. South Carolina

L. GOVERNMENT FURNISHED EQUIPMENT AND CONTRACTOR FURNISHED EQUIPMENT TRAINING REQUIREMENTS. NA

M. RELATED NTSPs AND OTHER APPLICABLE DOCUMENTS

DOCUMENT OR NTSP TITLE	DOCUMENT OR NTSP NUMBER	PDA CODE	STATUS
Navy Undergraduate Jet Flight Training System (T-45)	A-50-8703B/D	PMA273	Draft Feb 95
F-14A/B/D Aircraft	A-50-8511B/D	PMA241	Approved Mar 00
F/A-18 Aircraft	A-50-7703H/D	PMA265	Preliminary Draft Jan 00
F-14A/B/D WSPD	C590	NAVAIRNOTE 13100	Approved Feb 97
F/A-18A/B/C/D WSPD	C562	NAVAIRNOTE C13100	Approved Jul 96
T-45TS WSPD	C451	NAVAIRNOTE C13100	Approved Feb 96
F/A-18E/F WSPD	C538	NAVAIRNOTE C13100	Approved Feb 96
Naval Aviation Survival Training Program NTSP	A-50-9803/D	PMA202D	Draft Apr 00
NACES ILSP	AC-ILSP-302	PMA202	Revised (approval pending)

PART II - BILLET AND PERSONNEL REQUIREMENTS

II.A. BILLET REQUIREMENTS

II.A.1.a. OPERATIONAL AND FLEET SUPPORT ACTIVITY ACTIVATION SCHEDULE

SOURCE OF NAVY MANPOWER: Total Force Manpower Management System (TFMMS) **DATE:** 12/1/1999
SOURCE OF USMC MANPOWER: Extracts from Marines Corps Table of Organizations **DATE:** 12/1/1999

ACTIVITY, UIC		PFYs	CFY01	FY02	FY03	FY04	FY05
OPERATIONAL ACTIVITIES - NAVY							
F-14A/B Squadrons	00000	9	0	0	0	0	0
NAVSTKAIR TESTRON	39783	1	0	0	0	0	0
VF-101 (F-14A/B/D) Det Key West	47788	1	0	0	0	0	0
VF-101 FRS (F-14A/B/D)	09067	1	0	0	0	0	0
VF-2 (F-14D)	09113	1	0	0	0	0	0
VF-213 (F-14D)	09934	1	0	0	0	0	0
VF-31 (F-14D)	09473	1	0	0	0	0	0
VFA (F/A-18C) Squadrons (East)	00000	11	0	0	0	0	0
VFA-102 (F/A-18F)	09717	0	0	0	0	0	1
VFA-106 (F/A-18B/C/D)	09679	1	0	0	0	0	0
VFA-106 (F/A-18B/C/D) Neutral Duty	49119	1	0	0	0	0	0
VFA-11 (F/A-18F)	09560	0	0	0	0	0	1
VFA-14 (F/A-18E)	09094	0	0	1	0	0	0
VFA-174 FRS (F/A-18E/F)	00174	0	0	0	0	1	0
VFA-201 (F/A-18C) (Reserve)	09030	1	0	0	0	0	0
VFA-203 (F/A-18C) (Reserve)	09030	1	0	0	0	0	0
VFA-204 (F/A-18C) (Reserve)	09032	1	0	0	0	0	0
VFA-211 (F/A-18F)	09086	0	0	0	1	0	0
VFA-41 (F/A-18F)	09774	0	0	1	0	0	0
VFA-81 (F/A-18E)	09221	0	0	0	0	0	1
VFA-86 (F/A-18E)	09943	0	0	0	0	1	0
VFC-12	52994	1	0	0	0	0	0
NAVWPN TESTRON China Lake	39787	1	0	0	0	0	0
NAVWPN TESTRON Point Mugu	39788	1	0	0	0	0	0
STRKFITWINGPAC Det Fallon	55153	1	0	0	0	0	0
STRKFITWINGPAC Maintenance Unit	55257	1	0	0	0	0	0
VFA (F/A-18C) Squadrons (West)	00000	13	0	0	0	0	0
VFA-115 (F/A-18E)	09604	0	1	0	0	0	0
VFA-122 FRS (F/A-18E/F)	09355	1	0	0	0	0	0
VFA-125 (F/A-18B/C/D)	09485	1	0	0	0	0	0
VFA-125 FRS (F/A-18B/C/D) Det NARC	86749	1	0	0	0	0	0
VFA-154 (F/A-18F)	09678	0	0	0	1	0	0
VFA-27 (F/A-18E)	65185	0	0	0	1	0	0
VFA-97 (F/A-18E)	63923	0	0	0	0	1	0
VX-9 (F-14) Det Point Mugu	09830	1	0	0	0	0	0
VX-9 (F/A-18D/E/F) China Lake	55646	1	0	0	0	0	0
TOTAL:		54	1	2	3	3	3

II.A.1.a. OPERATIONAL AND FLEET SUPPORT ACTIVITY ACTIVATION SCHEDULE

SOURCE OF NAVY MANPOWER: Total Force Manpower Management System (TFMMS) **DATE:** 12/1/199
SOURCE OF USMC MANPOWER: Extracts from Marines Corps Table of Organizations **DATE:** 12/1/199

ACTIVITY, UIC		PFYs	CFY01	FY02	FY03	FY04	FY05
OPERATIONAL ACTIVITIES - USMC							
Marine Aviation Det Pax	67356	1	0	0	0	0	0
VMFA (F/A-18) CV Deployment Squadrons (East)	00000	2	0	0	0	0	0
VMFA (F/A-18) Squadrons (East)	00000	2	0	0	0	0	0
VMFA (Reserve) (East)	00000	3	0	0	0	0	0
VMFA(AW) (F/A-18D) Squadrons (East)	00000	3	0	0	0	0	0
VMFA (F/A-18) CV Deployment Squadrons	00000	2	0	0	0	0	0
VMFA (F/A-18) Squadrons (West)	00000	2	0	0	0	0	0
VMFA (Reserve) (West)	00000	2	0	0	0	0	0
VMFA(AW) (F/A-18D) Squadrons (West)	00000	3	0	0	0	0	0
VMFAT-101 FRS (F/A-18C/D)	52817	1	0	0	0	0	0
TOTAL:		21	0	0	0	0	0

II.A.1.b. BILLETS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES

ACTIVITY, UIC, PHASING INCREMENT	BILLETS OFF	BILLETS ENL	DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
OPERATIONAL ACTIVITIES - NAVY					
F-14A/B Squadrons, 00000					
ACDU	0	4	AME3	8845	
	0	5	AMEAN	8845	
ACTIVITY TOTAL:	0	9			
NAVSTKAIR TESTRON, 39783					
ACDU	0	3	AME3	8845	
	0	3	AMEAN	8842	
	0	2	AMEAN	8845	
SELRES	0	1	AME3	8845	
ACTIVITY TOTAL:	0	9			
VF-101 (F-14A/B/D) Det Key West, 47788					
ACDU	0	1	AME3	8845	
ACTIVITY TOTAL:	0	1			
VF-101 FRS (F-14A/B/D), 09067					
ACDU	0	16	AME3	8845	
	0	25	AMEAN	8845	
ACTIVITY TOTAL:	0	41			
VF-2 (F-14D), 09113					
ACDU	0	3	AME3	8845	
	0	4	AMEAN	8845	
ACTIVITY TOTAL:	0	7			
VF-213 (F-14D), 09934					
ACDU	0	3	AME3	8845	
	0	4	AMEAN	8845	
ACTIVITY TOTAL:	0	7			
VF-31 (F-14D), 09473					
ACDU	0	4	AME3	8845	
	0	4	AMEAN	8845	
ACTIVITY TOTAL:	0	8			

II.A.1.b. BILLETS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES

ACTIVITY, UIC, PHASING INCREMENT	BILLETS OFF	BILLETS ENL	DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
VFA (F/A-18C) Squadrons (East), 00000					
ACDU	0	2	AME3	8842	
	0	2	AMEAN	8842	
ACTIVITY TOTAL:	0	4			
VFA-106 (F/A-18B/C/D), 09679					
ACDU	0	9	AME3	8842	
	0	9	AMEAN	8842	
USMC	0	2	SGT	6087	
	0	1	SSGT	6087	
ACTIVITY TOTAL:	0	21			
VFA-106 (F/A-18B/C/D) Neutral Duty, 49119					
ACDU	0	2	AMEAN	8842	
ACTIVITY TOTAL:	0	2			
VFA-14 (F/A-18E), 09094, FY02 Increment					
ACDU	0	2	AME3	8841	
	0	2	AMEAN	8841	
ACTIVITY TOTAL:	0	4			
VFA-174 FRS (F/A-18E/F), 00174, FY04 Increment					
ACDU	0	7	AME3	8841	
	0	9	AMEAN	8841	
ACTIVITY TOTAL:	0	16			
VFA-201 (F/A-18C) (Reserve), 09030					
TAR	0	1	AME3	8842	
	0	2	AMEAN	8842	
SELRES	0	1	AME3	8842	
ACTIVITY TOTAL:	0	4			
VFA-203 (F/A-18C) (Reserve), 09030					
TAR	0	1	AME3	8842	
	0	2	AMEAN	8842	
SELRES	0	1	AME3	8842	
ACTIVITY TOTAL:	0	4			

II.A.1.b. BILLETS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES

ACTIVITY, UIC, PHASING INCREMENT	BILLETS OFF	BILLETS ENL	DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
VFA-204 (F/A-18C) (Reserve), 09032					
TAR	0	1	AME3	8842	
	0	2	AMEAN	8842	
SELRES	0	1	AME3	8842	
ACTIVITY TOTAL:	0	4			
VFA-211 (F/A-18F), 09086, FY03 Increment					
ACDU	0	3	AME3	8841	
	0	4	AMEAN	8841	
ACTIVITY TOTAL:	0	7			
VFA-32 (F/A-18F), 09053, FY06 Increment					
ACDU	0	3	AME3	8841	
	0	4	AMEAN	8841	
ACTIVITY TOTAL:	0	7			
VFA-41 (F/A-18F), 09774, FY02 Increment					
ACDU	0	3	AME3	8841	
	0	4	AMEAN	8841	
ACTIVITY TOTAL:	0	7			
VFA-86 (F/A-18E), 09943, FY04 Increment					
ACDU	0	2	AME3	8841	
	0	2	AMEAN	8841	
ACTIVITY TOTAL:	0	4			
VFC-12, 52994					
TAR	0	2	AME3	8842	
	0	1	AMEAN	8842	
SELRES	0	3	AME3	8842	
	0	6	AMEAN	8842	
ACTIVITY TOTAL:	0	12			
NAVWPN TESTRON China Lake, 39787					
ACDU	0	1	AME3	8841	
	0	2	AME3	8842	
	0	1	AMEAN	8841	
	0	2	AMEAN	8842	
ACTIVITY TOTAL:	0	6			

II.A.1.b. BILLETS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES

ACTIVITY, UIC, PHASING INCREMENT	BILLETS OFF	BILLETS ENL	DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
NAVWPN TESTRON Point Mugu, 39788					
ACDU	0	3	AME3	8845	
	0	1	AMEAN	8845	
ACTIVITY TOTAL:	0	4			
STRKFITWINGPAC Det Fallon, 55153					
ACDU	0	1	AME3	8842	
	0	1	AMEAN	8842	
ACTIVITY TOTAL:	0	2			
STRKFITWINGPAC Maintenance Unit, 55257					
ACDU	0	1	AME3	8841	
	0	1	AME3	8842	
	0	2	AMEAN	8842	
ACTIVITY TOTAL:	0	4			
VFA (F/A-18C) Squadrons (West), 00000					
ACDU	0	2	AME3	8842	
	0	2	AMEAN	8842	
ACTIVITY TOTAL:	0	4			
VFA-115 (F/A-18E), 09604, FY01 Increment					
ACDU	0	2	AME3	8841	
	0	2	AMEAN	8841	
ACTIVITY TOTAL:	0	4			
VFA-122 FRS (F/A-18E/F), 09355, FY98 Increment					
ACDU	0	7	AME3	8841	
	0	9	AMEAN	8841	
ACTIVITY TOTAL:	0	16			
VFA-125 (F/A-18B/C/D), 09485					
ACDU	0	9	AME3	8842	
	0	9	AMEAN	8842	
USMC	0	2	SGT	6087	
	0	1	SSGT	6087	
ACTIVITY TOTAL:	0	21			

II.A.1.b. BILLETS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES

ACTIVITY, UIC, PHASING INCREMENT	BILLETS OFF	BILLETS ENL	DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
VFA-125 FRS (F/A-18B/C/D) Det NARC Lemoore, 86749					
TAR	0	1	AMEAN	8842	
ACTIVITY TOTAL:	0	1			
VFA-137 (F/A-18E), 55142, FY06 Increment					
ACDU	0	2	AME3	8841	
	0	2	AMEAN	8841	
ACTIVITY TOTAL:	0	4			
VFA-146 (F/A-18E), 09063, FY06 Increment					
ACDU	0	2	AME3	8841	
	0	2	AMEAN	8841	
ACTIVITY TOTAL:	0	4			
VFA-154 (F/A-18F), 09678, FY03 Increment					
ACDU	0	3	AME3	8841	
	0	4	AMEAN	8841	
ACTIVITY TOTAL:	0	7			
VFA-27 (F/A-18E), 65185, FY03 Increment					
ACDU	0	2	AME3	8841	
	0	2	AMEAN	8841	
ACTIVITY TOTAL:	0	4			
VFA-97 (F/A-18E), 63923, FY04 Increment					
ACDU	0	2	AME3	8841	
	0	2	AMEAN	8841	
ACTIVITY TOTAL:	0	4			
VX-9 (F-14) Det Point Mugu, 09830					
ACDU	0	4	AME3	8845	
	0	4	AMEAN	8845	
ACTIVITY TOTAL:	0	8			
VX-9 (F/A-18D/E/F) China Lake, 55646					
ACDU	0	3	AME3	8842	
	0	3	AMEAN	8842	
ACTIVITY TOTAL:	0	6			

II.A.1.b. BILLETS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES

ACTIVITY, UIC, PHASING INCREMENT	BILLETS OFF	BILLETS ENL	DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
OPERATIONAL ACTIVITIES - USMC					
Marine Aviation Det Pax, 67356					
USMC	0	1	GYSGT	6087	
ACTIVITY TOTAL:	0	1			
VMFA (F/A-18) CV Deployment Squadrons (East), 00000					
USMC	0	2	CPL	6087	
	0	1	GYSGT	6087	
	0	2	LCPL	6087	
	0	1	SGT	6087	
	0	1	SSGT	6087	
ACTIVITY TOTAL:	0	7			
VMFA (F/A-18) Squadrons (East), 00000					
USMC	0	2	CPL	6087	
	0	1	GYSGT	6087	
	0	1	LCPL	6087	
	0	1	SGT	6087	
	0	1	SSGT	6087	
ACTIVITY TOTAL:	0	6			
VMFA (Reserve) (East), 00000					
USMC	0	2	CPL	6087	
	0	1	GYSGT	6087	
	0	1	LCPL	6087	
	0	1	SGT	6087	
	0	1	SSGT	6087	
ACTIVITY TOTAL:	0	6			
VMFA(AW) (F/A-18D) Squadrons (East), 00000					
USMC	0	2	CPL	6087	
	0	1	GYSGT	6087	
	0	3	LCPL	6087	
	0	1	SGT	6087	
	0	1	SSGT	6087	
ACTIVITY TOTAL:	0	8			

II.A.1.b. BILLETS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES

ACTIVITY, UIC, PHASING INCREMENT	BILLETS OFF	BILLETS ENL	DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
VMFA (F/A-18) CV Deployment Squadrons (West), 00000					
	0	2	CPL	6087	
	0	1	GYSGT	6087	
	0	2	LCPL	6087	
	0	1	SGT	6087	
	0	1	SSGT	6087	
ACTIVITY TOTAL:	0	7			
VMFA (F/A-18) Squadrons (West), 00000					
USMC	0	2	CPL	6087	
	0	1	GYSGT	6087	
	0	1	LCPL	6087	
	0	1	SGT	6087	
	0	1	SSGT	6087	
ACTIVITY TOTAL:	0	6			
VMFA (Reserve) (West), 00000					
USMC	0	2	CPL	6087	
	0	1	GYSGT	6087	
	0	1	LCPL	6087	
	0	1	SGT	6087	
	0	1	SSGT	6087	
ACTIVITY TOTAL:	0	6			
VMFA(AW) (F/A-18D) Squadrons (West), 00000					
USMC	0	2	CPL	6087	
	0	1	GYSGT	6087	
	0	3	LCPL	6087	
	0	1	SGT	6087	
	0	1	SSGT	6087	
ACTIVITY TOTAL:	0	8			
VMFAT-101 FRS (F/A-18C/D), 52817					
ACDU	0	2	AME3	8842	
	0	2	AMEAN	8842	
USMC	0	7	LCPL	6087	
	0	2	SGT	6087	
	0	2	SSGT	6087	
ACTIVITY TOTAL:	0	15			

II.A.1.c. TOTAL BILLETS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES

DESIG/ RATING	PNEC/SNEC PMOS/SMOS	PFYs OFF	PFYs ENL	CFY01 OFF	CFY01 ENL	FY02 OFF	FY02 ENL	FY03 OFF	FY03 ENL	FY04 OFF	FY04 ENL	FY05 OFF	FY05 ENL
NAVY OPERATIONAL ACTIVITIES - ACDU													
AME3	8841		9		2		5		8		11		8
AME3	8842		73		0		0		0		0		0
AME3	8845		73		0		0		0		0		0
AMEAN	8841		10		2		6		10		13		10
AMEAN	8842		79		0		0		0		0		0
AMEAN	8845		89		0		0		0		0		0
NAVY OPERATIONAL ACTIVITIES - TAR													
AME3	8842		5		0		0		0		0		0
AMEAN	8842		8		0		0		0		0		0
NAVY OPERATIONAL ACTIVITIES - SELRES													
AME3	8842		6		0		0		0		0		0
AME3	8845		1		0		0		0		0		0
AMEAN	8842		6		0		0		0		0		0
NAVY OPERATIONAL ACTIVITIES - USMC													
SGT	6087		4		0		0		0		0		0
SSGT	6087		2		0		0		0		0		0
USMC OPERATIONAL ACTIVITIES - ACDU													
AME3	8842		2		0		0		0		0		0
AMEAN	8842		2		0		0		0		0		0
USMC OPERATIONAL ACTIVITIES - USMC													
CPL	6087		38		0		0		0		0		0
GYSGT	6087		20		0		0		0		0		0
LCPL	6087		42		0		0		0		0		0
SGT	6087		21		0		0		0		0		0
SSGT	6087		21		0		0		0		0		0

II.A.1.c. TOTAL BILLETS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES

DESIG/ RATING	PNEC/SNEC PMOS/SMOS	PFYs OFF	PFYs ENL	CFY01 OFF	CFY01 ENL	FY02 OFF	FY02 ENL	FY03 OFF	FY03 ENL	FY04 OFF	FY04 ENL	FY05 OFF	FY05 ENL
SUMMARY TOTALS:													
NAVY OPERATIONAL ACTIVITIES - ACDU													
	333		4		11		18		24		18		
NAVY OPERATIONAL ACTIVITIES - TAR													
	13		0		0		0		0		0		
NAVY OPERATIONAL ACTIVITIES - SELRES													
	13		0		0		0		0		0		
NAVY OPERATIONAL ACTIVITIES - USMC													
	6		0		0		0		0		0		
USMC OPERATIONAL ACTIVITIES - ACDU													
	4		0		0		0		0		0		
USMC OPERATIONAL ACTIVITIES - USMC													
	142		0		0		0		0		0		
GRAND TOTALS:													
NAVY - ACDU													
	333		4		11		18		24		18		
NAVY - TAR													
	13		0		0		0		0		0		
NAVY - SELRES													
	13		0		0		0		0		0		
NAVY - USMC													
	6		0		0		0		0		0		
USMC - ACDU													
	4		0		0		0		0		0		
USMC - USMC													
	142		0		0		0		0		0		

II.A.2.a. OPERATIONAL AND FLEET SUPPORT ACTIVITY DEACTIVATION SCHEDULE

SOURCE OF NAVY MANPOWER: Total Force Manpower Management System (TFMMS) **DATE:** 12/1/199
SOURCE OF USMC MANPOWER: Extracts from Marines Corps Table of Organizations **DATE:** 12/1/199

ACTIVITY, UIC		PFYs	CFY01	FY02	FY03	FY04	FY05
OPERATIONAL ACTIVITIES - NAVY							
F-14A/B Squadrons	00000	0	0	2	2	0	2
VFA (F/A-18C) Squadrons (East)	00000	0	0	0	0	1	1
VFA (F/A-18C) Squadrons (West)	00000	0	1	0	1	1	0
TOTAL:		0	1	2	3	2	3

II.A.2.b. BILLETS TO BE DELETED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES

ACTIVITY, UIC, PHASING INCREMENT	BILLETS OFF	BILLETS ENL	DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
OPERATIONAL ACTIVITIES - NAVY					
F-14A/B Squadrons, 00000, FY02 Increment					
ACDU	0	1	AME3	8845	
	0	1	AMEAN	8845	
F-14A/B Squadrons, 00000, FY03 Increment					
ACDU	0	2	AME3	8845	
	0	2	AMEAN	8845	
F-14A/B Squadrons, 00000, FY06 Increment					
ACDU	0	2	AME3	8845	
	0	2	AMEAN	8845	
ACTIVITY TOTAL:	0	10			

II.A.2.c. TOTAL BILLETS TO BE DELETED IN OPERATIONAL AND FLEET SUPPORT ACTIVITIES

DESIG/ RATING	PNEC/SNEC PMOS/SMOS	PFYs OFF	PFYs ENL	CFY01 OFF	CFY01 ENL	FY02 OFF	FY02 ENL	FY03 OFF	FY03 ENL	FY04 OFF	FY04 ENL	FY05 OFF	FY05 ENL
NAVY OPERATIONAL ACTIVITIES - ACDU													
AME3	8842		48		-2		0		-2		-4		-2
AME3	8845		36		0		-8		-8		0		-8
AMEAN	8842		48		-2		0		-2		-4		-2
AMEAN	8845		45		0		-10		-10		0		-10

SUMMARY TOTALS:

NAVY OPERATIONAL ACTIVITIES - ACDU													
			177		-4		-18		-22		-8		-22

GRAND TOTALS:

NAVY - ACDU													
			177		-4		-18		-22		-8		-22

II.A.3. TRAINING ACTIVITIES INSTRUCTOR AND SUPPORT BILLET REQUIREMENTS

DESIG RATING	PNEC/SNEC PMOS/SMOS	PFYs OFF	PFYs ENL	CFY01 OFF	CFY01 ENL	FY02 OFF	FY02 ENL	FY03 OFF	FY03 ENL	FY04 OFF	FY04 ENL	FY05 OFF	FY05 ENL
TRAINING ACTIVITY, LOCATION, UIC: MTU 1007 NAMTRAU, Oceana, 66045													
INSTRUCTOR BILLETS													
ACDU													
AMEC	8345 9502	0	1	0	1	0	1	0	1	0	1	0	1
AME1	8345 9502	0	1	0	1	0	1	0	1	0	1	0	1
TOTAL:		0	2	0	2	0	2	0	2	0	2	0	2
TRAINING ACTIVITY, LOCATION, UIC: MTU 1038 NAMTRAU, Lemoore, 66060													
INSTRUCTOR BILLETS													
ACDU													
AMEC	8342 9502	0	2	0	2	0	2	0	2	0	2	0	2
AME1	8341 9502	0	2	0	2	0	2	0	2	0	2	0	2
AME1	8342 9502	0	1	0	1	0	1	0	1	0	1	0	1
AME2	8341 9502	0	1	0	1	0	1	0	1	0	1	0	1
USMC													
SSGT	6087	0	1	0	1	0	1	0	1	0	1	0	1
SUPPORT BILLETS													
ACDU													
AME2	8342	0	1	0	1	0	1	0	1	0	1	0	1
TOTAL:		0	8	0	8	0	8	0	8	0	8	0	8

II.A.3. TRAINING ACTIVITIES INSTRUCTOR AND SUPPORT BILLET REQUIREMENTS

DESIG RATING	PNEC/SNEC PMOS/SMOS	PFYs OFF	PFYs ENL	CFY01 OFF	CFY01 ENL	FY02 OFF	FY02 ENL	FY03 OFF	FY03 ENL	FY04 OFF	FY04 ENL	FY05 OFF	FY05 ENL
TRAINING ACTIVITY, LOCATION, UIC: MTU 1039 NAMTRAU, Oceana, 66045													
INSTRUCTOR BILLETS													
ACDU													
AMEC	8341 9502	0	3	0	3	0	3	0	3	0	3	0	3
AMEC	8342 9502	0	1	0	1	0	1	0	1	0	1	0	1
AME1	8342 9502	0	3	0	3	0	3	0	3	0	3	0	3
AME2	8342 9502	0	1	0	1	0	1	0	1	0	1	0	1
USMC													
SSGT	6087	0	1	0	1	0	1	0	1	0	1	0	1
SUPPORT BILLETS													
ACDU													
AME2	8342	0	1	0	1	0	1	0	1	0	1	0	1
TOTAL:		0	10	0	10	0	10	0	10	0	10	0	10

II.A.4. CHARGEABLE STUDENT BILLET REQUIREMENTS

ACTIVITY, LOCATION, UIC	USN/ USMC	PFYs OFF	PFYs ENL	CFY01 OFF	CFY01 ENL	FY02 OFF	FY02 ENL	FY03 OFF	FY03 ENL	FY04 OFF	FY04 ENL	FY05 OFF	FY05 ENL
MTU 1007 NAMTRAU, Oceana, 66045													
	NAVY		6.0		6.0		6.0		5.3		4.7		4.6
MTU 1039 NAMTRAU, Oceana, 66045													
	NAVY		2.4		2.4		2.4		2.4		4.6		4.9
	USMC		1.6		1.6		1.6		1.6		1.6		1.6
MTU 1038 NAMTRAU, Lemoore, 66060													
	NAVY		3.1		3.5		4.1		5.0		4.2		3.3
	USMC		1.7		1.7		1.7		1.7		1.7		1.7
SUMMARY TOTALS:													
	NAVY		11.5		11.9		12.5		12.7		13.5		12.8
	USMC		3.3		3.3		3.3		3.3		3.3		3.3
GRAND TOTALS:													
			14.8		15.2		15.8		16.0		16.8		16.1

II.A.5. ANNUAL INCREMENTAL AND CUMULATIVE BILLETS

DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS	BILLET BASE	CFY01 +/-	CFY01 CUM	FY02 +/-	FY02 CUM	FY03 +/-	FY03 CUM	FY04 +/-	FY04 CUM	FY05 +/-	FY05 CUM
a. OFFICER - USN	Not Applicable												
b. ENLISTED - USN													
Operational Billets ACDU and TAR													
AME3	8841		9	2	11	5	16	8	24	11	35	8	43
AME3	8842		80	-2	78	0	78	-2	76	-4	72	-2	70
AME3	8845		73	0	73	-8	65	-8	57	0	57	-8	49
AMEAN	8841		10	2	12	6	18	10	28	13	41	10	51
AMEAN	8842		89	-2	87	0	87	-2	85	-4	81	-2	79
AMEAN	8845		89	0	89	-10	79	-10	69	0	69	-10	59
Staff Billets ACDU and TAR													
AMEC	8341	9502	3	0	3	0	3	0	3	0	3	0	3
AMEC	8342	9502	3	0	3	0	3	0	3	0	3	0	3
AMEC	8345	9502	1	0	1	0	1	0	1	0	1	0	1
AME1	8341	9502	2	0	2	0	2	0	2	0	2	0	2
AME1	8342	9502	4	0	4	0	4	0	4	0	4	0	4
AME1	8345	9502	1	0	1	0	1	0	1	0	1	0	1
AME2	8341	9502	1	0	1	0	1	0	1	0	1	0	1
AME2	8342		2	0	2	0	2	0	2	0	2	0	2
AME2	8342	9502	1	0	1	0	1	0	1	0	1	0	1
Chargeable Student Billets ACDU and TAR													
			12	0	12	1	13	0	13	1	14	-1	13
SELRES Billets													
AME3	8842		6	0	6	0	6	0	6	0	6	0	6
AME3	8845		1	0	1	0	1	0	1	0	1	0	1
AMEAN	8842		6	0	6	0	6	0	6	0	6	0	6
TOTAL USN ENLISTED BILLETS:													
Operational			350	0	350	-7	343	-4	339	16	355	-4	351
Staff			18	0	18	0	18	0	18	0	18	0	18
Chargeable Student			12	0	12	1	13	0	13	1	14	-1	13
SELRES			13	0	13	0	13	0	13	0	13	0	13

II.A.5. ANNUAL INCREMENTAL AND CUMULATIVE BILLETS

DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS	BILLET BASE	CFY01 +/-	CFY01 CUM	FY02 +/-	FY02 CUM	FY03 +/-	FY03 CUM	FY04 +/-	FY04 CUM	FY05 +/-	FY05 CUM
c. OFFICER - USMC	Not Applicable												
d. ENLISTED - USMC													
Operational Billets USMC and AR													
CPL	6087		38	0	38	0	38	0	38	0	38	0	38
GYSGT	6087		20	0	20	0	20	0	20	0	20	0	20
LCPL	6087		42	0	42	0	42	0	42	0	42	0	42
SGT	6087		25	0	25	0	25	0	25	0	25	0	25
SSGT	6087		23	0	23	0	23	0	23	0	23	0	23
Staff Billets USMC and AR													
SSGT	6087		2	0	2	0	2	0	2	0	2	0	2
Chargeable Student Billets USMC and AR													
			3	0	3	0	3	0	3	0	3	0	3
TOTAL USMC ENLISTED BILLETS:													
Operational			148	0	148	0	148	0	148	0	148	0	148
Staff			2	0	2	0	2	0	2	0	2	0	2
Chargeable Student			3	0	3	0	3	0	3	0	3	0	3

II.B. PERSONNEL REQUIREMENTS

II.B.1. ANNUAL TRAINING INPUT REQUIREMENTS

CIN, COURSE TITLE: D-602-0662, F/A-18 Safety Equipment (Initial) Organizational Maintenance
COURSE LENGTH: 4.8 Weeks **NAVY TOUR LENGTH:** 36 Months
ATTRITION FACTOR: Navy: 10% USMC: 0% **BACKOUT FACTOR:** 0.10

TRAINING ACTIVITY	SOURCE	ACDU/TAR SELRES	CFY01 OFF	CFY01 ENL	FY02 OFF	FY02 ENL	FY03 OFF	FY03 ENL	FY04 OFF	FY04 ENL	FY05 OFF	FY05 ENL
MTU 1039 NAMTRAU, Oceana												
	NAVY	ACDU		25		25		25		24		23
		TAR		4		4		4		4		4
		SELRES		1		1		1		1		1
	USMC	USMC		18		18		18		18		18
		TOTAL:		48		48		48		47		46

CIN, COURSE TITLE: E-602-0662, F/A-18 Safety Equipment (Initial) Organizational Maintenance
COURSE LENGTH: 4.8 Weeks **NAVY TOUR LENGTH:** 36 Months
ATTRITION FACTOR: Navy: 10% USMC: 0% **BACKOUT FACTOR:** 0.10

TRAINING ACTIVITY	SOURCE	ACDU/TAR SELRES	CFY01 OFF	CFY01 ENL	FY02 OFF	FY02 ENL	FY03 OFF	FY03 ENL	FY04 OFF	FY04 ENL	FY05 OFF	FY05 ENL
MTU 1038 NAMTRAU, Lemoore												
	NAVY	ACDU		31		30		30		28		27
		TAR		0		0		0		0		0
	USMC	USMC		19		19		19		19		19
		TOTAL:		50		49		49		47		46

CIN, COURSE TITLE: D-602-1667, F-14 Environmental/Escape Systems (Initial) Organizational Maintenance
COURSE LENGTH: 5.8 Weeks **NAVY TOUR LENGTH:** 36 Months
ATTRITION FACTOR: Navy: 10% **BACKOUT FACTOR:** 0.12

TRAINING ACTIVITY	SOURCE	ACDU/TAR SELRES	CFY01 OFF	CFY01 ENL	FY02 OFF	FY02 ENL	FY03 OFF	FY03 ENL	FY04 OFF	FY04 ENL	FY05 OFF	FY05 ENL
MTU 1007 NAMTRAU, Oceana												
	NAVY	ACDU		59		59		52		46		45
		SELRES		0		0		0		0		1
		TOTAL:		59		59		52		46		46

CIN, COURSE TITLE: E-602-0664, F/A-18E/F Safety Equipment (Initial) Organizational Maintenance
COURSE LENGTH: 5.0 Weeks **NAVY TOUR LENGTH:** 36 Months
ATTRITION FACTOR: Navy: 10% **BACKOUT FACTOR:** 0.10

TRAINING ACTIVITY	SOURCE	ACDU/TAR SELRES	CFY01 OFF	CFY01 ENL	FY02 OFF	FY02 ENL	FY03 OFF	FY03 ENL	FY04 OFF	FY04 ENL	FY05 OFF	FY05 ENL
MTU 1038 NAMTRAU, Lemoore												
	NAVY	ACDU		11		19		30		23		13
		TOTAL:		11		19		30		23		13

II.B.1. ANNUAL TRAINING INPUT REQUIREMENTS

CIN, COURSE TITLE: D-602-0664, F/A-18E/F Safety Equipment (Initial) Organizational Maintenance
COURSE LENGTH: 5.0 Weeks **NAVY TOUR LENGTH:** 36 Months
ATTRITION FACTOR: Navy: 10% **BACKOUT FACTOR:** 0.10

TRAINING		ACDU/TAR	CFY01		FY02		FY03		FY04		FY05	
ACTIVITY	SOURCE	SELRES	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
MTU 1039 NAMTRAU, Oceana												
	NAVY	ACDU		0		0		0		27		32
		TOTAL:		0		0		0		27		32

PART III - TRAINING REQUIREMENTS

The following elements are not affected by the SJU-17(V) Navy Aircrew Common Ejection Seat and, therefore, are not included in Part III of this NTSP:

III.A.1. Initial Training Requirements (All Initial Training has been completed.)

III.A.2. Follow-on Training

III.A.2.b Planned Courses

III.A.2.c. Unique Courses

III.A.3. Existing Training Phased Out

III.A.2. FOLLOW-ON TRAINING

III.A.2.a. EXISTING COURSES

CIN, COURSE TITLE: D-602-0662, F/A-18 Safety Equipment (Initial) Organizational Maintenance
TRAINING ACTIVITY: MTU 1039 NAMTRAU
LOCATION, UIC: Oceana, 66045

SOURCE: NAVY **STUDENT CATEGORY:** ACDU - TAR

CFY01		FY02		FY03		FY04		FY05		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
29		29		29		28		27		ATIR
26		26		26		25		24		Output
2.4		2.4		2.4		2.3		2.2		AOB
2.4		2.4		2.4		2.3		2.2		Chargeable

SOURCE: NAVY **STUDENT CATEGORY:** SELRES

CFY01		FY02		FY03		FY04		FY05		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
1		1		1		1		1		ATIR
1		1		1		1		1		Output
0.1		0.1		0.1		0.1		0.1		AOB
0.0		0.0		0.0		0.0		0.0		Chargeable

SOURCE: USMC **STUDENT CATEGORY:** USMC - AR

CFY01		FY02		FY03		FY04		FY05		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
18		18		18		18		18		ATIR
18		18		18		18		18		Output
1.6		1.6		1.6		1.6		1.6		AOB
1.6		1.6		1.6		1.6		1.6		Chargeable

CIN, COURSE TITLE: E-602-0662, F/A-18 Safety Equipment (Initial) Organizational Maintenance
TRAINING ACTIVITY: MTU 1038 NAMTRAU
LOCATION, UIC: Lemoore, 66060

SOURCE: NAVY **STUDENT CATEGORY:** ACDU - TAR

CFY01		FY02		FY03		FY04		FY05		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
31		30		30		28		27		ATIR
28		27		27		25		24		Output
2.6		2.5		2.5		2.3		2.2		AOB
2.6		2.5		2.5		2.3		2.2		Chargeable

III.A.2.a. EXISTING COURSES

SOURCE: USMC **STUDENT CATEGORY:** USMC - AR

CFY01		FY02		FY03		FY04		FY05		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
19		19		19		19		19		ATIR
19		19		19		19		19		Output
1.7		1.7		1.7		1.7		1.7		AOB
1.7		1.7		1.7		1.7		1.7		Chargeable

CIN, COURSE TITLE: D-602-1667, F-14 Environmental/Escape Systems (Initial) Organizational Maintenance
TRAINING ACTIVITY: MTU 1007 NAMTRAU
LOCATION, UIC: Oceana, 66045

SOURCE: NAVY **STUDENT CATEGORY:** ACDU - TAR

CFY01		FY02		FY03		FY04		FY05		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
59		59		52		46		45		ATIR
53		53		47		41		41		Output
6.0		6.0		5.3		4.7		4.6		AOB
6.0		6.0		5.3		4.7		4.6		Chargeable

SOURCE: NAVY **STUDENT CATEGORY:** SELRES

CFY01		FY02		FY03		FY04		FY05		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
0		0		0		0		1		ATIR
0		0		0		0		1		Output
0.0		0.0		0.0		0.0		0.1		AOB
0.0		0.0		0.0		0.0		0.0		Chargeable

CIN, COURSE TITLE: E-602-0664, F/A-18E/F Safety Equipment (Initial) Organizational Maintenance
TRAINING ACTIVITY: MTU 1038 NAMTRAU
LOCATION, UIC: Lemoore, 66060

SOURCE: NAVY **STUDENT CATEGORY:** ACDU - TAR

CFY01		FY02		FY03		FY04		FY05		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
11		19		30		23		13		ATIR
10		17		27		21		12		Output
0.9		1.6		2.5		1.9		1.1		AOB
0.9		1.6		2.5		1.9		1.1		Chargeable

III.A.2.a. EXISTING COURSES

CIN, COURSE TITLE: D-602-0664, F/A-18E/F Safety Equipment (Initial) Organizational Maintenance
TRAINING ACTIVITY: MTU 1039 NAMTRAU
LOCATION, UIC: Oceana, 66045

SOURCE: NAVY **STUDENT CATEGORY:** ACDU - TAR

CFY01		FY02		FY03		FY04		FY05		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
	0		0		0		27		32	ATIR
	0		0		0		24		29	Output
	0.0		0.0		0.0		2.3		2.7	AOB
	0.0		0.0		0.0		2.3		2.7	Chargeable

PART IV - TRAINING LOGISTICS SUPPORT REQUIREMENTS

The following elements are not affected by the SJU-17(V) Navy Aircrew Common Ejection Seat and, therefore, are not included in Part IV of this NTSP:

IV.C. Facility Requirements

IV.C.1. Facility Requirements Summary (Space/Support) by Activity

IV.C.2. Facility Requirements Detailed by Activity and Course

IV.C.3. Facility Project Summary by Program

Note: NAMTRAU Lemoore is currently updating the Equipment Requirement Listing and implementing IETM for all planned F/A-18E/F Courses. Updates to the F/A-18E/F Safety Equipment (Initial) Organizational Maintenance course's Equipment Requirement List and IETM will be included in future updates to this NTSP.

PART IV - TRAINING LOGISTICS SUPPORT REQUIREMENTS

IV.A. TRAINING HARDWARE
IV.A.1. TTE / GPTE / SPTE / ST / GPETE / SPETE

CIN, COURSE TITLE: C-602-9973, F/A-18 Environmental Control Systems and Safety Equipment (Initial) Organizational Maintenance (Track D-602-0662)
TRAINING ACTIVITY: MTU 1039 NAMTRAU
LOCATION, UIC: Oceana, 66050

ITEM NUMBER	EQUIPMENT /TYPE OR RANGE OF REPAIR PARTS	QTY REQD	DATE REQD	GFE CFE	STATUS
TTE					
0001	SJU-17(V)1/A Ejection Seat (MBEU146110-5)	1	Sep 94	GFE	Onboard
0002	SJU-17(V)2/A Ejection Seat (MBEU146111-4)	1	Sep 94	GFE	Onboard
0005	SJU-5/A Ejection Seat (MBEU65102-12)	1	Sep 94	GFE	Onboard
0006	Oxygen Concentrator (3261077-0101)	1	Sep 94	GFE	Onboard
0007	Oxygen Monitor (3270023-0401)	1	Sep 94	GFE	Onboard
0008	Canopy Release (015-10307-5)	8	Sep 94	GFE	Onboard
0009	Valve Assembly (2760060-103)	2	Sep 94	GFE	Onboard
0010	Valve Shutoff (V5000-162)	1	Sep 94	GFE	Onboard
0011	Actuator Electric (181800-2)	1	Sep 94	GFE	Onboard
0012	Lever Assembly (2818300-105-02)	1	Sep 94	GFE	Onboard
0013	Catapult, Sectioned (MBEU143479)	1	Sep 94	GFE	Onboard
0014	Pitot Assembly (RH) Sectioned (MBEU143481)	1	Sep 94	GFE	Onboard
0015	Seat Height Actuator (MBEU143482)	1	Sep 94	GFE	Onboard
0016	Restraint Release Unit, Sectioned (MBEU143484)	1	Sep 94	GFE	Onboard
0017	Drogue Deployment Catapult, Sectioned (MBEU143483)	1	Sep 94	GFE	Onboard
0018	Top Latch Mechanism, Sectioned (MBEU143485)	1	Sep 94	GFE	Onboard
0019	Gas Operated Lock Pin Puller, Sectioned (MBEU143486)	1	Sep 94	GFE	Onboard
0020	Ballistic Manifold (RH), Sectioned (MBEU143487)	1	Sep 94	GFE	Onboard
0021	Initiator, Multi-purpose (RH), Sectioned	1	Sep 94	GFE	Onboard

IV.A.1. TTE / GPTE / SPTE / ST / GPETE / SPETE

ITEM NUMBER	EQUIPMENT /TYPE OR RANGE OF REPAIR PARTS	QTY REQD	DATE REQD	GFE CFE	STATUS
0022	Safety Pin (74D11105-1001)	1	Sep 94	GFE	Onboard
0023	Control Assembly (7609C0001-02)	1	Sep 94	GFE	Onboard
0024	Inert Seawars (1914-019-01)	4	Sep 94	GFE	Onboard
GPTE					
0025	Spring Tester (DPPH100)	1	Sep 94	GFE	Onboard
0027	Test Set, Aircraft Oxygen System (AOS) (1582AS100-2)	1	Sep 94	GFE	Onboard
0028	Gage, Pressure	1	Sep 94	GFE	Onboard
0029	Gage, Push/Pull (DPPH50)	1	Sep 94	GFE	Onboard
SPTE					
0032	Set, Test, Time Delay (MBEU82220)	1	Sep 94	GFE	Onboard
0033	Connector, Test, No Volts (178AS910/W48)	1	Sep 94	GFE	Onboard
0036	Test Set, Time Delay (MBEU680001-2)	1	Sep 94	GFE	Onboard
0037	Firing Circuit Test (ANAWM54)	1	Sep 94	GFE	Onboard
0038	Test Set, Adapter (3249AS100-1)	1	Sep 94	GFE	Onboard
0039	Battery (ANAWM-54) (178AS200)	2	Sep 94	GFE	Onboard
0040	Set, Test, Ejection Sequencer TTU-515/E (10000060-501)	1	Sep 94	GFE	Onboard
0041	Handwheel, Top Latch (MBEU143772)	2	Sep 94	GFE	Onboard
ST					
0042	Barostat Release Unit Cocking Tool (MBEU73136)	1	Sep 94	GFE	Onboard
0043	Wrench, Spanner, Catapult Cartridges (MBEU65843)	2	Sep 94	GFE	Onboard
0045	Ejection Gun Initiator Protective Cap (MBEU143062)	2	Sep 94	CFE	Onboard
0046	Unit, Fluid Make-Up (2001MC)	1	Sep 93	GFE	Onboard
0048	Caliper, Micrometer 3"-4", Style A (MT-308)	1	Sep 94	GFE	Onboard
0049	Gage Set Telescoping (79L)	1	Sep 94	GFE	Onboard
0050	Strap, Sticker Clip/Lower Locks (2021AS230)	1	Sep 94	GFE	Onboard
0051	Gage- Protrusion (MBEU68020)	1	Sep 94	GFE	Onboard

IV.A.1. TTE / GPTE / SPTE / ST / GPETE / SPETE

ITEM NUMBER	EQUIPMENT /TYPE OR RANGE OF REPAIR PARTS	QTY REQD	DATE REQD	GFE CFE	STATUS
0052	Gage-Protrusion (MBEU68021)	1	Sep 94	GFE	Onboard
0053	Blanking Cartridge Set (MBEU143079)	1	Sep 94	GFE	Onboard
0054	Adapter, Socket Wrench (ST7280)	1	Sep 94	GFE	Onboard
0055	Cap, Assembly Connector (MBEU68005)	2	Sep 94	GFE	Onboard
0056	Removal Tool, Drogue (MBEU66513)	1	Sep 94	GFE	Onboard
0057	Adapter-Time Release Mechanism (MBEU68001-2)	1	Sep 94	GFE	Onboard
0058	Adapter-Drogue Gun (MBEU68002-2)	1	Sep 94	GFE	Onboard
0059	Handwheel, Top Latch (MBEU68010)	2	Sep 94	GFE	Onboard
0060	Clamp, Drogue Gun (MBEU68030)	1	Sep 94	GFE	Onboard
0061	Clamp, Time Release Mechanism (MBEU68031)	1	Sep 94	CFE	Onboard
0062	Wrench, Open End, Firing Mechanism (MBEU68056)	2	Sep 94	GFE	Onboard
0063	Cap, Protective, Dust (MBEU69612)	2	Sep 94	GFE	Onboard
0064	Handle, Tee, Cocking (MBEU68590)	1	Sep 94	GFE	Onboard
0065	Handle, Shackle Release Plunger (MBEU68774)	1	Sep 94	GFE	Onboard
0066	Case, Carrying (MBEU68964)	1	Sep 94	GFE	Onboard
0067	Spanner, Gun (MBEU5787)	1	Sep 94	GFE	Onboard
0068	Pin, Straight, Headed (MBEU68004)	1	Sep 94	GFE	Onboard
0069	Adapter, Barostat Vacuum Test Set (MBEU143203)	1	Sep 94	GFE	Onboard
0070	Adapter, Timing Test (MBEU143430)	1	Sep 94	GFE	Onboard
0071	Spanner, BRU Capsule (MBEU143085)	1	Sep 94	GFE	Onboard
0072	Loop, Stowage (MBEU143084)	1	Sep 94	GFE	Onboard
0073	Spanner Attachment, Removal Tool (MBEU143090)	1	Sep 94	GFE	Onboard
0074	Lock, Seat Firing Safety (MBEU141503)	1	Sep 94	GFE	Onboard
0075	Strap, ESD Wrist Grounding (W0791-L)	1	Sep 94	GFE	Onboard

IV.A.1. TTE / GPTE / SPTE / ST / GPETE / SPETE

ITEM NUMBER	EQUIPMENT /TYPE OR RANGE OF REPAIR PARTS	QTY REQD	DATE REQD	GFE CFE	STATUS
0076	Blanking Cartridge Set (MBEU143081)	1	Sep 94	GFE	Onboard
0077	BRU Protective Plug (MBEU143138)	1	Sep 94	GFE	Onboard
0078	Drogue Catapult Protective Plug (MBEU143137)	1	Sep 94	GFE	Onboard
0079	Harness Reel Protective Plug (MBEU143239)	2	Sep 94	GFE	Onboard
0080	Drogue Bridle Protective Plug (MBEU143238)	2	Sep 94	GFE	Onboard
0081	Timer Connector Plain Plug (MBEU143250)	3	Sep 94	GFE	Onboard
0082	Gas Pipe Thread Plug (MBEU143248)	4	Sep 94	GFE	Onboard
0086	Tool, Firing Pin Lifting (MBEU1321)	2	Sep 94	GFE	Onboard
0087	Clamp, Block (MBEU8463)	4	Sep 94	GFE	Onboard
0088	Tool, Top Latch Removal (MBJ 16537)	2	Sep 94	GFE	Onboard
0089	Plug, Blanking, Catapult Manifold Valve (MBEU143038)	2	Sep 94	GFE	Onboard
0090	Lifting Sling, Multi-Leg (MBEU143015)	1	Sep 94	GFE	Onboard
0091	Tool, Cartridge Removal (MBEU73026)	1	Sep 94	GFE	Onboard
0093	Protector, Seat Bucket (MBEU143095)	2	Sep 94	GFE	Onboard
0094	Handle Cocking (MBEU62667)	2	Sep 94	GFE	Onboard
0095	Pin (MS14531-ZC334211)	2	Sep 94	GFE	Onboard
0096	Lock Loop Tool (MBEU143083)	1	Sep 94	GFE	Onboard
0097	Handle, Cocking Drogue Gun (MBEU67181)	1	Sep 94	GFE	Onboard
0098	Inserter, Special (MBEU65836)	1	Sep 94	GFE	Onboard
0099	Grounding Cable (202AS227-1)	2	Sep 94	GFE	Onboard
0100	Sequencer Dynamic Input Protective Cap (CEC6)	1	Sep 94	GFE	Onboard
0101	Sequencer Static Input Protective Cap (CEC4)	1	Sep 94	GFE	Onboard
0102	Test Plug (MBEU143401)	1	Sep 94	GFE	Onboard
0103	Pitot Head Protective Cap (MBEU143499)	2	Sep 94	GFE	Onboard

IV.A.1. TTE / GPTE / SPTE / ST / GPETE / SPETE

ITEM NUMBER	EQUIPMENT /TYPE OR RANGE OF REPAIR PARTS	QTY REQD	DATE REQD	GFE CFE	STATUS
0104	IMP Protect Plug (MBEU143236)	4	Sep 94	GFE	Onboard
0106	Caps, Blanking, Trombone Tubes (MBEU143053)	4	Sep 94	GFE	Onboard
0107	Plug, Blanking, Ballistic Manifolds (MBEU143063)	4	Sep 94	GFE	Onboard
0108	Plug, Blanking, Catapult Breech (MBEU143068)	2	Sep 94	GFE	Onboard
0109	Tool, Release, Ball-Lok Pin (MBEU69494)	2	Sep 94	GFE	Onboard
0111	Plug, Conductive (CEP-12)	20	Sep 94	GFE	Onboard
0113	Caps, Protective, Cartridge Blank Assembly (MBEU147114)	20	Sep 94	GFE	Onboard
0114	Lifting Handles, Main Beam (MBEU143197)	1	Sep 94	GFE	Onboard
0115	Wrench, Spanner, Seat/MOR Initiator (MBEU66340)	2	Sep 94	GFE	Onboard
0117	Gage Set, Inspection Detonating Cord (A51S62680-1)	1	Sep 94	GFE	Onboard
0118	Cap Protect, Thermal Battery (MBEU-143377)	4	Sep 94	GFE	Onboard
0119	Tool, Bridle Release Reset (MBEU143067)	2	Sep 94	GFE	Onboard
0120	Set, Optical Micrometer (966A1)	1	Sep 94	GFE	Onboard
0121	Caliper, Micrometer (GGG-C-105)	1	Sep 94	GFE	Onboard

CIN, COURSE TITLE: C-602-9973, F/A-18 Environmental Control Systems and Safety Equipment (Initial) Organizational Maintenance (Track E-602-0662)
TRAINING ACTIVITY: MTU 1038 NAMTRAU
LOCATION, UIC: Lemoore, 66060

ITEM NUMBER	EQUIPMENT /TYPE OR RANGE OF REPAIR PARTS	QTY REQD	DATE REQD	GFE CFE	STATUS
TTE					
0001	SJU-17(V)1/A Ejection Seat (MBEU146110-5)	1	Sep 94	GFE	Onboard
0002	SJU-17(V)2/A Ejection Seat (MBEU146111-4)	1	Sep 94	GFE	Onboard
0005	SJU-5/A Ejection Seat (MBEU65102-12)	1	Sep 94	GFE	Onboard
0006	Oxygen Concentrator (3261077-0101)	1	Sep 94	GFE	Onboard
0007	Oxygen Monitor (3270023-0401)	1	Sep 94	GFE	Onboard

IV.A.1. TTE / GPTE / SPTE / ST / GPETE / SPETE

ITEM NUMBER	EQUIPMENT /TYPE OR RANGE OF REPAIR PARTS	QTY REQD	DATE REQD	GFE CFE	STATUS
0008	Canopy Release (015-10307-5)	8	Sep 94	GFE	Onboard
0009	Valve Assembly (2760060-103)	2	Sep 94	GFE	Onboard
0010	Valve Shutoff (V5000-162)	1	Sep 94	GFE	Onboard
0011	Actuator Electric (181800-2)	1	Sep 94	GFE	Onboard
0012	Lever Assembly (2818300-105-02)	1	Sep 94	GFE	Onboard
0013	Catapult, Sectioned (MBEU143479)	1	Sep 94	GFE	Onboard
0014	Pitot Assembly (RH) Sectioned (MBEU143481)	1	Sep 94	GFE	Onboard
0015	Seat Height Actuator (MBEU143482)	1	Sep 94	GFE	Onboard
0016	Restraint Release Unit, Sectioned (MBEU143484)	1	Sep 94	GFE	Onboard
0017	Drogue Deployment Catapult, Sectioned (MBEU143483)	1	Sep 94	GFE	Onboard
0018	Top Latch Mechanism, Sectioned (MBEU143485)	1	Sep 94	GFE	Onboard
0019	Gas Operated Lock Pin Puller, Sectioned (MBEU143486)	1	Sep 94	GFE	Onboard
0020	Ballistic Manifold (RH), Sectioned (MBEU143487)	1	Sep 94	GFE	Onboard
0021	Initiator, Multi-purpose (RH), Sectioned	1	Sep 94	GFE	Onboard
0022	Safety Pin (74D11105-1001	1	Sep 94	GFE	Onboard
0023	Control Assembly (7609C0001-02)	1	Sep 94	GFE	Onboard
0024	Inert Seawars (1914-019-01)	4	Sep 94	GFE	Onboard
GPTE					
0025	Spring Tester (DPPH100)	1	Sep 94	GFE	Onboard
0027	Test Set, Aircraft Oxygen System (AOS) (1582AS100-2)	1	Sep 94	GFE	Onboard
0028	Gage, Pressure	1	Sep 94	GFE	Onboard
0029	Gage, Push/Pull (DPPH50)	1	Sep 94	GFE	Onboard
SPTE					
0032	Set, Test, Time Delay (MBEU82220)	1	Sep 94	GFE	Onboard
0033	Connector, Test, No Volts (178AS910/W48)	1	Sep 94	GFE	Onboard

IV.A.1. TTE / GPTE / SPTE / ST / GPETE / SPETE

ITEM NUMBER	EQUIPMENT /TYPE OR RANGE OF REPAIR PARTS	QTY REQD	DATE REQD	GFE CFE	STATUS
0036	Test Set, Time Delay (MBEU680001-2)	1	Sep 94	GFE	Onboard
0037	Firing Circuit Test (ANAWM54)	1	Sep 94	GFE	Onboard
0038	Test Set, Adapter (3249AS100-1)	1	Sep 94	GFE	Onboard
0039	Battery (ANAWM-54) (178AS200)	2	Sep 94	GFE	Onboard
0040	Set, Test, Ejection Sequencer TTU-515/E (10000060-501)	1	Sep 94	GFE	Onboard
ST					
0041	Handwheel, Top Latch (MBEU143772)	2	Sep 94	GFE	Onboard
0042	Barostat Release Unit Cocking Tool (MBEU73136)	1	Sep 94	GFE	Onboard
0043	Wrench, Spanner, Catapult Cartridges (MBEU65843)	2	Sep 94	GFE	Onboard
0045	Ejection Gun Initiator Protective Cap (MBEU143062)	2	Sep 94	CFE	Onboard
0046	Unit, Fluid Make-Up (2001MC)	1	Sep 93	GFE	Onboard
0048	Caliper, Micrometer 3"-4", Style A (MT-308)	1	Sep 94	GFE	Onboard
0049	Gage Set Telescoping (79L)	1	Sep 94	GFE	Onboard
0050	Strap, Sticker Clip/Lower Locks (2021AS230)	1	Sep 94	GFE	Onboard
0051	Gage-Protrusion (MBEU68020)	1	Sep 94	GFE	Onboard
0052	Gage-Protrusion (MBEU68021)	1	Sep 94	GFE	Onboard
0053	Blanking Cartridge Set (MBEU143079)	1	Sep 94	GFE	Onboard
0054	Adapter, Socket Wrench (ST7280)	1	Sep 94	GFE	Onboard
0055	Cap, Assembly Connector (MBEU68005)	2	Sep 94	GFE	Onboard
0056	Removal Tool, Drogue (MBEU66513)	1	Sep 94	GFE	Onboard
0057	Adapter-Time Release Mechanism (MBEU68001-2)	1	Sep 94	GFE	Onboard
0058	Adapter-Drogue Gun (MBEU68002-2)	1	Sep 94	GFE	Onboard
0059	Handwheel, Top Latch (MBEU68010)	2	Sep 94	GFE	Onboard
0060	Clamp, Drogue Gun (MBEU68030)	1	Sep 94	GFE	Onboard

IV.A.1. TTE / GPTE / SPTE / ST / GPETE / SPETE

ITEM NUMBER	EQUIPMENT /TYPE OR RANGE OF REPAIR PARTS	QTY REQD	DATE REQD	GFE CFE	STATUS
0061	Clamp, Time Release Mechanism (MBEU68031)	1	Sep 94	CFE	Onboard
0062	Wrench, Open End, Firing Mechanism (MBEU68056)	2	Sep 94	GFE	Onboard
0063	Cap, Protective, Dust (MBEU69612)	2	Sep 94	GFE	Onboard
0064	Handle, Tee, Cocking (MBEU68590)	1	Sep 94	GFE	Onboard
0065	Handle, Shackle Release Plunger (MBEU68774)	1	Sep 94	GFE	Onboard
0066	Case, Carrying (MBEU68964)	1	Sep 94	GFE	Onboard
0067	Spanner, Gun (MBEU5787)	1	Sep 94	GFE	Onboard
0068	Pin, Straight, Headed (MBEU68004)	1	Sep 94	GFE	Onboard
0069	Adapter, Barostat Vacuum Test Set (MBEU143203)	1	Sep 94	GFE	Onboard
0070	Adapter, Timing Test (MBEU143430)	1	Sep 94	GFE	Onboard
0071	Spanner, BRU Capsule (MBEU143085)	1	Sep 94	GFE	Onboard
0072	Loop, Stowage (MBEU143084)	1	Sep 94	GFE	Onboard
0073	Spanner Attachment, Removal Tool (MBEU143090)	1	Sep 94	GFE	Onboard
0074	Lock, Seat Firing Safety (MBEU141503)	1	Sep 94	GFE	Onboard
0075	Strap, ESD Wrist Grounding (W0791-L)	1	Sep 94	GFE	Onboard
0076	Blanking Cartridge Set (MBEU143081)	1	Sep 94	GFE	Onboard
0077	BRU Protective Plug (MBEU143138)	1	Sep 94	GFE	Onboard
0078	Drogue Catapult Protective Plug (MBEU143137)	1	Sep 94	GFE	Onboard
0079	Harness Reel Protective Plug (MBEU143239)	2	Sep 94	GFE	Onboard
0080	Drogue Bridle Protective Plug (MBEU143238)	2	Sep 94	GFE	Onboard
0081	Timer Connector Plain Plug (MBEU143250)	3	Sep 94	GFE	Onboard
0082	Gas Pipe Thread Plug (MBEU143248)	4	Sep 94	GFE	Onboard
0086	Tool, Firing Pin Lifting (MBEU1321)	2	Sep 94	GFE	Onboard
0087	Clamp, Block (MBEU8463)	4	Sep 94	GFE	Onboard

IV.A.1. TTE / GPTE / SPTE / ST / GPETE / SPETE

ITEM NUMBER	EQUIPMENT /TYPE OR RANGE OF REPAIR PARTS	QTY REQD	DATE REQD	GFE CFE	STATUS
0088	Tool, Top Latch Removal (MBJ 16537)	2	Sep 94	GFE	Onboard
0089	Plug, Blanking, Catapult Manifold Valve (MBEU143038)	2	Sep 94	GFE	Onboard
0090	Lifting Sling, Multi-Leg (MBEU143015)	1	Sep 94	GFE	Onboard
0091	Tool, Cartridge Removal (MBEU73026)	1	Sep 94	GFE	Onboard
0093	Protector, Seat Bucket (MBEU143095)	2	Sep 94	GFE	Onboard
0094	Handle Cocking (MBEU62667)	2	Sep 94	GFE	Onboard
0095	Pin (MS14531-ZC334211)	2	Sep 94	GFE	Onboard
0096	Lock Loop Tool (MBEU143083)	1	Sep 94	GFE	Onboard
0097	Handle, Cocking Drogue Gun (MBEU67181)	1	Sep 94	GFE	Onboard
0098	Inserter, Special (MBEU65836)	1	Sep 94	GFE	Onboard
0099	Grounding Cable (202AS227-1)	2	Sep 94	GFE	Onboard
0100	Sequencer Dynamic Input Protective Cap (CEC6)	1	Sep 94	GFE	Onboard
0101	Sequencer Static Input Protective Cap (CEC4)	1	Sep 94	GFE	Onboard
0102	Test Plug (MBEU143401)	1	Sep 94	GFE	Onboard
0103	Pitot Head Protective Cap (MBEU143499)	2	Sep 94	GFE	Onboard
0104	IMP Protect Plug (MBEU143236)	4	Sep 94	GFE	Onboard
0106	Caps, Blanking, Trombone Tubes (MBEU143053)	4	Sep 94	GFE	Onboard
0107	Plug, Blanking, Ballistic Manifolds (MBEU143063)	4	Sep 94	GFE	Onboard
0108	Plug, Blanking, Catapult Breech (MBEU143068)	2	Sep 94	GFE	Onboard
0109	Tool, Release, Ball-Lok Pin (MBEU69494)	2	Sep 94	GFE	Onboard
0111	Plug, Conductive (CEP-12)	20	Sep 94	GFE	Onboard
0113	Caps, Protective, Cartridge Blank Assembly (MBEU147114)	20	Sep 94	GFE	Onboard
0114	Lifting Handles, Main Beam (MBEU143197)	1	Sep 94	GFE	Onboard
0115	Wrench, Spanner, Seat/MOR Initiator (MBEU66340)	2	Sep 94	GFE	Onboard

IV.A.1. TTE / GPTE / SPTE / ST / GPETE / SPETE

ITEM NUMBER	EQUIPMENT /TYPE OR RANGE OF REPAIR PARTS	QTY REQD	DATE REQD	GFE CFE	STATUS
0117	Gage Set, Inspection Detonating Cord (A51S62680-1)	1	Sep 94	GFE	Onboard
0118	Cap Protect, Thermal Battery (MBEU-143377)	4	Sep 94	GFE	Onboard
0119	Tool, Bridle Release Reset (MBEU143067)	2	Sep 94	GFE	Onboard
0120	Set, Optical Micrometer (966A1)	1	Sep 94	GFE	Onboard
0121	Caliper, Micrometer (GGG-C-105)	1	Sep 94	GFE	Onboard

CIN, COURSE TITLE: C-602-9959, F-14D Environmental/Escape Systems (Initial) Organizational Maintenance (Track D-602-1667)
TRAINING ACTIVITY: MTU 1007 NAMTRAU
LOCATION, UIC: Oceana, 66045

ITEM NUMBER	EQUIPMENT /TYPE OR RANGE OF REPAIR PARTS	QTY REQD	DATE REQD	GFE CFE	STATUS
TTE					
0003	SJU-17(V)4/A Ejection Seat (MBEU146113-5)	1	Sep 94	GFE	Onboard
0004	SJU-17(V)3/A Ejection Seat (MBEU146112-5)	1	Sep 94	GFE	Onboard
GPTE					
0025	Spring Tester (DPPH100)	1	Sep 94	GFE	Onboard
0026	Multimeter Digital (77/BN)	1	Sep 94	GFE	Onboard
0027	Test Set, Aircraft Oxygen System (AOS) (1582AS100-2)	1	Sep 94	GFE	Onboard
0029	Gage, Push/Pull (DPPH50)	1	Sep 94	GFE	Onboard
SPTE					
0030	Set, Test, No Volts TS-3021/AWM-54 (178AS100-1)	1	Sep 94	GFE	Onboard
0031	Set, Test, Altitude Barostat Release Unit (MBEU143054)	1	Sep 94	GFE	Onboard
0032	Set, Test, Time Delay (MBEU82220)	1	Sep 94	GFE	Onboard
0033	Connector, Test, No Volts (178AS910/W48)	1	Sep 94	GFE	Onboard
0034	Set, Test, Barostat Altitude (2020AS100-1)	1	Sep 94	GFE	Onboard
0035	Pressure-Flow Readout (A51S31520-27)	1	Sep 94	GFE	Onboard
0040	Set, Test, Ejection Sequencer TTU-515/E (10000060-501)	1	Sep 94	GFE	Onboard

IV.A.1. TTE / GPTE / SPTE / ST / GPETE / SPETE

ITEM NUMBER	EQUIPMENT /TYPE OR RANGE OF REPAIR PARTS	QTY REQD	DATE REQD	GFE CFE	STATUS
0041	Handwheel, Top Latch (MBEU143772)	2	Sep 94	GFE	Onboard
SP					
0042	Barostat Release Unit Cocking Tool (MBEU73136)	1	Sep 94	GFE	Onboard
0043	Wrench, Spanner, Catapult Cartridges (MBEU65843)	2	Sep 94	GFE	Onboard
0044	Adapter, Barostat Release Unit (MBEU143023)	1	Sep 94	GFE	Onboard
0045	Ejection Gun Initiator Protective Cap (MBEU143062)	2	Sep 94	CFE	Onboard
0046	Unit, Fluid Make-Up (2001MC)	1	Sep 93	GFE	Onboard
0047	Pressing Tool (A51S62750-1)	1	Sep 94	GFE	Onboard
0048	Adapter, Torque Generator (A51S62680-1)	1	Sep 93	GFE	Onboard
0075	Strap, ESD Wrist Grounding (W0791-L)	4	Sep 94	GFE	Onboard
0083	Sling, Beam Type (A51S61840-3)	1	Sep 93	GFE	Onboard
0084	Brace, Aircraft (A51S63810-1)	1	Sep 94	GFE	Onboard
0085	Pin, Rig Canopy Actuator (A51S62460-1)	1	Sep 94	GFE	Onboard
0086	Tool, Firing Pin Lifting (MBEU1321)	2	Sep 94	GFE	Onboard
0087	Clamp, Block (MBEU8463)	2	Sep 94	GFE	Onboard
0088	Tool, Top Latch Removal (MBJ 16537)	2	Sep 94	GFE	Onboard
0089	Plug, Blanking, Catapult Manifold Valve (MBEU143038)	2	Sep 94	GFE	Onboard
0090	Lifting Sling, Multi-Leg (MBEU143015)	1	Sep 94	GFE	Onboard
0091	Tool, Cartridge Removal (MBEU73026)	2	Sep 94	GFE	Onboard
0092	Set, Breech Blanks (MBEU143081)	2	Sep 94	GFE	Onboard
0093	Protector, Seat Bucket (MBEU143095)	2	Sep 94	GFE	Onboard
0105	Sling, Aircraft Maintenance (MBEU-143133)	2	Sep 94	GFE	Onboard
0106	Caps, Blanking, Trombone Tubes (MBEU143053)	4	Sep 94	GFE	Onboard
0107	Plug, Blanking, Ballistic Manifolds (MBEU143063)	4	Sep 94	GFE	Onboard

IV.A.1. TTE / GPTE / SPTE / ST / GPETE / SPETE

ITEM NUMBER	EQUIPMENT /TYPE OR RANGE OF REPAIR PARTS	QTY REQD	DATE REQD	GFE CFE	STATUS
0108	Plug, Blanking, Catapult Breech (MBEU143068)	2	Sep 94	GFE	Onboard
0109	Tool, Release, Ball-Lok Pin (MBEU69494)	2	Sep 94	GFE	Onboard
0110	Cap, Protective, Ejection Gun Initiator (MBEU143062)	2	Sep 94	GFE	Onboard
0111	Plug, Conductive (CEP-12)	20	Sep 94	GFE	Onboard
0112	Blanks, Dynamic and Static Inlets, Pitot (MBEU143158)	2	Sep 94	GFE	Onboard
0113	Caps, Protective, Cartridge Blank Assembly (MBEU147114)	20	Sep 94	GFE	Onboard
0114	Lifting Handles, Main Beam (MBEU143197)	1	Sep 94	GFE	Onboard
0115	Wrench, Spanner, Seat/MOR Initiator (MBEU66340)	1	Sep 94	GFE	Onboard
0116	Adapter, Timing Test (MBEU143430)	1	Sep 94	GFE	Onboard
0117	Gage Set, Inspection Detonating Cord (A51S62680-1)	1	Sep 94	GFE	Onboard
0118	Cap Protect, Thermal Battery (MBEU-143377)	2	Sep 94	GFE	Onboard
0119	Tool, Bridle Release Reset (MBEU143067)	2	Sep 94	GFE	Onboard

CIN, COURSE TITLE: C-602-9980, F/A-18E/F Environment Control System and Safety Equipment (Initial) Organizational Maintenance (Track E-602-0664)
TRAINING ACTIVITY: MTU 1038 NAMTRAU
LOCATION, UIC: Lemoore, 66060

ITEM NO.	EQUIPMENT / TYPE OR RANGE OF REPAIR PARTS	QTY REQD	DATE REQD	GFE CFE	STATUS
TTE					
229	Cabin Ram Air Control Actuator	1	Jul 00	CFE	Onboard
230	Canopy Actuator	1	Jul 00	CFE	Onboard

IV.A.2. TRAINING DEVICES

DEVICE: Cockpit Environmental - Escape Systems Trainer
DESCRIPTION: The Cockpit Environmental - Escape Systems Trainer is a mockup F-14 cockpit consisting of panels and related equipment utilized to depict aircraft environmental control and escape systems by using actual components, simulated parts, and pictorial representations. A second trainer was modified to include F-14D components and the NACES ejection system.
MANUFACTURER: Grumman Aerospace Corporation
CONTRACT NUMBER: N613339-86-C-0164
TEE STATUS: Not planned

TRAINING ACTIVITY: MTU 1007 NAMTRAU
LOCATION, UIC: Oceana, 66045

QTY REQD	DATE REQD	RFT DATE	STATUS	COURSES SUPPORTED
1	Sep 96	Oct 96	Onboard	C-602-9959 (Track D-602-1667)

DEVICE: F/A-18 Environmental Control System (ECS) Trainer
DESCRIPTION: The ECS trainer is a three-panel electrical-mechanical system consisting of mockup panels and related equipment utilized to depict aircraft systems by using actual components, simulated parts, and pictorial representations.
MANUFACTURER: McDonnell Douglas Aerospace
CONTRACT NUMBER: N00019-90-C-0010
TEE STATUS: Not required

TRAINING ACTIVITY: MTU 1039 NAMTRAU
LOCATION, UIC: Oceana, 66050

QTY REQD	DATE REQD	RFT DATE	STATUS	COURSES SUPPORTED
1	Aug 99	Aug 99	Pending	C-602-9973 (Track D-602-0662)

TRAINING ACTIVITY: MTU 1038 NAMTRAU
LOCATION, UIC: Lemoore, 66060

QTY REQD	DATE REQD	RFT DATE	STATUS	COURSES SUPPORTED
1	Aug 82	Aug 82	Onboard	C-602-9973 (Track E-602-0662)

IV.A.2. TRAINING DEVICES

DEVICE: Environmental Control System/Electrical System
DESCRIPTION: The ECS/Electrical System Maintenance Trainer physical configuration is an accurate replication of an F/A-18E single place crew station and forward fuselage. The aft center fuselage is represented to support the ECS, DFIRS, fire protection, and bleed air leak detection components. The crew station is included in the forward fuselage structure and uses common components of the stand-alone crew station panel.
MANUFACTURER: Boeing Aircraft
CONTRACT NUMBER: NA
TEE STATUS: NA

TRAINING ACTIVITY: MTU 1038
LOCATION, UIC: NAMTRAU Lemoore, 66060

QTY REQD	DATE REQD	RFT DATE	STATUS	COURSES SUPPORTED
1	Jul 00	Jul 00	Onboard	E-602-0664 E-602-0666

IV.B. COURSEWARE REQUIREMENTS

IV.B.1. TRAINING SERVICES

COURSE / TYPE OF TRAINING	SCHOOL LOCATION, UIC	NO. OF PERSONNEL	MAN WEEKS REQUIRED	DATE BEGIN

All training services have been completed. No further services are required.

IV.B.2. CURRICULA MATERIALS AND TRAINING AIDS

CIN, COURSE TITLE: C-602-9973, F/A-18 Environmental Control Systems and Safety Equipment (Initial) Organizational Maintenance (Track D-602-0662)
TRAINING ACTIVITY: MTU 1039 NAMTRAU
LOCATION, UIC: Oceana, 66050

TYPES OF MATERIAL OR AID	QTY REQD	DATE REQD	STATUS
35mm Slides	1 Set	Sep 96	Onboard
Instructors Guide	3	Sep 96	Onboard
Student Guide	10	Sep 96	Onboard

CIN, COURSE TITLE: C-602-9973, F/A-18 Environmental Control Systems and Safety Equipment (Initial) Organizational Maintenance (Track E-602-0662)
TRAINING ACTIVITY: MTU 1038 NAMTRAU
LOCATION, UIC: Lemoore, 66060

TYPES OF MATERIAL OR AID	QTY REQD	DATE REQD	STATUS
35mm Slides	1 Set	Sep 96	Onboard
Instructors Guide	3	Sep 96	Onboard
Student Guide	10	Sep 96	Onboard

CIN, COURSE TITLE: C-602-9959, F-14D Environmental/Escape Systems (Initial) Organizational Maintenance (Track D-602-1667)
TRAINING ACTIVITY: MTU 1007 NAMTRAU
LOCATION, UIC: Oceana, 66045

TYPES OF MATERIAL OR AID	QTY REQD	DATE REQD	STATUS
Instructors Guide	3	Sep 96	Onboard
Student Guide	10	Sep 96	Onboard
Transparencies	1 Set	Sep 96	Onboard

IV.B.3. TECHNICAL MANUALS

CIN, COURSE TITLE: C-602-9973, F/A-18 Environmental Control Systems and Safety Equipment (Initial) Organizational Maintenance (Track D-602-0662)
TRAINING ACTIVITY: MTU 1039 NAMTRAU
LOCATION, UIC: Oceana, 66050

TECHNICAL MANUAL NUMBER / TITLE	MEDIUM	QTY REQD	DATE REQD	STATUS
A1-F18AC-120-100 Principles of Operation, Seat, Canopy, Survival Equipment and Boarding Ladder	Hard copy	8	Sep 96	Onboard
A1-F18AC-120-200 Testing and Troubleshooting- Seat, Canopy, Survival Equipment and Boarding Ladder	Hard copy	8	Sep 96	Onboard
A1-F18AC-120-300 System Maintenance with Illustrated Parts Breakdown (On Aircraft Maintenance)- Seat, Canopy, Survival Equipment and Boarding Ladder	Hard copy	8	Sep 96	Onboard
A1-F18AC-120-310 System Maintenance with Illustrated Parts Breakdown, (Shop Maintenance)- Seat, Canopy, Survival Equipment and Boarding Ladder	Hard copy	8	Sep 96	Onboard
A1-F18AC-120-500 System Schematics - Seat, Canopy, Survival Equipment and Boarding Ladder	Hard copy	8	Sep 96	Onboard
A1-F18AC-120-600 Checklist - Challenge and Reply - Aircraft Ejection Seat SJU-5/A and SJU-6/A - Removal/De-arming - By Disassembly - Arming/Installation By Assembly	Hard copy	8	Sep 96	Onboard
A1-F18AC-120-650 Checklist - Challenge and Reply - Aircraft Ejection Seat SJU-5/A and SJU-6/A - Removal/De-arming - As a Unit - Arming/Installation - As a Unit	Hard copy	8	Sep 96	Onboard
A1-F18AC-120-700 Aircraft Seat Oxygen Survival Kit SKU-3/A and Aircraft Ejection Seat Bucket - Removal and Installation	Hard copy	8	Sep 96	Onboard
A1-F18AC-240-100 Principles of Operation - Secondary Power System	Hard copy	8	Sep 96	Onboard
A1-F18AC-240-200 Testing and Troubleshooting - Secondary Power System	Hard copy	8	Sep 96	Onboard
A1-F18AC-410-100 Principles of Operation - Environmental Control System	Hard copy	8	Sep 96	Onboard

IV.B.3. TECHNICAL MANUALS

TECHNICAL MANUAL NUMBER / TITLE	MEDIUM	QTY REQD	DATE REQD	STATUS
A1-F18AC-410-200 Testing and Troubleshooting - Environmental Control System	Hard copy	8	Sep 96	Onboard
A1-F18AC-410-300 System Maintenance with Illustrated Parts Breakdown - Environmental Control System	Hard copy	8	Sep 96	Onboard
A1-F18AC-410-310 System Maintenance with Illustrated Parts Breakdown - Environmental Control System	Hard copy	8	Sep 96	Onboard
A1-F18AC-410-500 System Schematics Environmental Control System	Hard copy	8	Sep 96	Onboard
A1-F18AC-AML-000 Aircraft Technical Documentation List	Hard copy	1	Sep 96	Onboard
A1-F18AC-CSS-000 Cross Services Guide for U.S. Navy Models	Hard copy	1	Sep 96	Onboard
A1-F18AC-FIM-000 Fault Isolation Manual	Hard copy	8	Sep 96	Onboard
A1-F18AC-FRM-OOO Fault Reporting Manual	Hard copy	8	Sep 96	Onboard
A1-F18AC-GAI-000 General Aircraft Information	Hard copy	8	Sep 96	Onboard
A1-F18AC-IPB-460 Parts List Index	Hard copy	1	Sep 96	Onboard
A1-F18AC-IPB450 Parts List Index	Hard copy	1	Sep 96	Onboard
A1-F18AC-LMM-000 Line Maintenance Procedures	Hard copy	8	Sep 96	Onboard
A1-F18AC-LMM-010 Line Maintenance Access Doors	Hard copy	8	Sep 96	Onboard
A1-F18AC-LMM-020 Line Maintenance Emergency Procedures	Hard copy	8	Sep 96	Onboard
A1-F18AC-LMM-030 Line Maintenance Conditional Inspections	Hard copy	1	Sep 96	Onboard

IV.B.3. TECHNICAL MANUALS

TECHNICAL MANUAL NUMBER / TITLE	MEDIUM	QTY REQD	DATE REQD	STATUS
A1-F18AC-MRC-000 Periodic Maintenance Information Cards	Hard copy	8	Sep 96	Onboard
A1-F18AC-MRC-100 Turnaround Checklist	Hard copy	8	Sep 96	Onboard
A1-F18AC-MRC-200 Daily Maintenance Requirements Cards	Hard copy	8	Sep 96	Onboard
A1-F18AC-MRC-250 Special/Preservation Maintenance Requirement Cards	Hard copy	8	Sep 96	Onboard
A1-F18AC-MRC-300 Phased Maintenance Requirement Cards	Hard copy	8	Sep 96	Onboard
A1-F18AC-NFM-000 NATOPS Flight Manual	Hard copy	1	Sep 96	Onboard
A1-F18AC-PCM-000 Plane Captain Manual	Hard copy	8	Sep 96	Onboard
A1-F18AC-PIM-000 System Maintenance with Illustrated Parts Breakdown, Piping Installation	Hard copy	1	Sep 96	Onboard
A1-F18AC-PIM-010 System Maintenance with Illustrated Parts Breakdown, Piping Installation	Hard copy	1	Sep 96	Onboard
A1-F18AC-SRM-220 Organizational, Intermediate, and Depot Maintenance-Structure Repair Forward Fuselage	Hard copy	8	Sep 96	Onboard
A1-F18AC-WUC-800 Work Unit Code Manual	Hard copy	8	Sep 96	Onboard
A1-F18AE FRM-000 Fault Reporting Manual	Hard copy	8	Sep 96	Onboard
A1-F18AE-120-600 Checklist, Challenge and Reply - Remove/Install by Disassembly	Hard copy	8	Sep 96	Onboard
A1-F18AE-120-650 Checklist, Challenge and Reply - Remove/Install by Unit	Hard copy	8	Sep 96	Onboard
A1-F18AE-120-700 Checklist, Challenge and Reply - Survival Kit Cushion, Remove and Install	Hard copy	8	Sep 96	Onboard

IV.B.3. TECHNICAL MANUALS

TECHNICAL MANUAL NUMBER / TITLE	MEDIUM	QTY REQD	DATE REQD	STATUS
A1-F18AE-580-100 Principles of Operation, Flight Incident Recorder and Monitoring System	Hard copy	8	Sep 96	Onboard
A1-F18AE-MRC-000 Periodic Maintenance Information Cards	Hard copy	8	Sep 96	Onboard
A1-F18AE-MRC-100 Turnaround Checklist	Hard copy	8	Sep 96	Onboard
A1-F18AE-MRC-200 Daily Maintenance Requirements Cards	Hard copy	8	Sep 96	Onboard
A1-F18AE-MRC-250 Special/Preservation Maintenance Requirements Cards	Hard copy	8	Sep 96	Onboard
A1-F18AE-MRC-300 Phased Maintenance Requirements Cards	Hard copy	8	Sep 96	Onboard
DOD-STD-1686 ESD Control Program for Protection of Electrical and Electronic Parts, Assemblies and Equipment (Excluding Electrically Initiated Devices)	Hard copy	1	Sep 96	Onboard
NAVAIR 00-25-100 Technical Manual Program	Hard copy	1	Sep 96	Onboard
NAVAIR 11-100-1.1 General Use Cartridges and Cartridge Actuated Devices for Aircraft and Unique Aircraft Systems (CADS)	Hard copy	8	Sep 96	Onboard
NAVAIR 11-85-1 Aircrew Escape Propulsion System Devices (AEPS)	Hard copy	8	Sep 96	Onboard
NAVAIR 13-1-36 Organizational Maintenance with Illustrated Parts Breakdown, Aircraft Ejection Seat, SJU-17(V)A Series	Hard copy	8	Sep 96	Onboard
NAVAIR 13-1-37 Challenge/Reply De-arm/Arm-Checklist, Personnel Ejection Seat	Hard copy	8	Sep 96	Onboard
NAVAIR 13-600-15-6.3 Periodic Maintenance Requirement Cards, Ejection Seats SJU-17(V) 1/A - SJU-17(V) 6/A	Hard copy	8	Sep 96	Onboard

IV.B.3. TECHNICAL MANUALS

TECHNICAL MANUAL NUMBER / TITLE	MEDIUM	QTY REQD	DATE REQD	STATUS
OPNAVINST 4790.2 Series Naval Aviation Maintenance Program	Hard copy	1	Sep 96	Onboard

CIN, COURSE TITLE: C-602-9973, F/A-18 Environmental Control Systems and Safety Equipment (Initial) Organizational Maintenance (Track E-602-0662)
TRAINING ACTIVITY: MTU 1038 NAMTRAU
LOCATION, UIC: Lemoore, 66060

TECHNICAL MANUAL NUMBER / TITLE	MEDIUM	QTY REQD	DATE REQD	STATUS
A1-F18AC-120-100 Principles of Operation, Seat, Canopy, Survival Equipment and Boarding Ladder	Hard copy	8	Sep 96	Onboard
A1-F18AC-120-200 Testing and Troubleshooting - Seat, Canopy, Survival Equipment and Boarding Ladder	Hard copy	8	Sep 96	Onboard
A1-F18AC-120-300 System Maintenance with Illustrated Parts Breakdown (On Aircraft Maintenance)- Seat, Canopy, Survival Equipment and Boarding Ladder	Hard copy	8	Sep 96	Onboard
A1-F18AC-120-310 System Maintenance with Illustrated Parts Breakdown, (Shop Maintenance)- Seat, Canopy, Survival Equipment and Boarding Ladder	Hard copy	8	Sep 96	Onboard
A1-F18AC-120-500 System Schematics - Seat, Canopy, Survival Equipment and Boarding Ladder	Hard copy	8	Sep 96	Onboard
A1-F18AC-120-600 Checklist - Challenge and Reply - Aircraft Ejection Seat SJU-5/A and SJU-6/A - Removal/De-arming - By Disassembly - Arming/Installation By Assembly	Hard copy	8	Sep 96	Onboard
A1-F18AC-120-650 Checklist - Challenge and Reply - Aircraft Ejection Seat SJU-5/A and SJU-6/A - Removal/De-arming - As a Unit - Arming/Installation - As a Unit	Hard copy	8	Sep 96	Onboard
A1-F18AC-120-700 Aircraft Seat Oxygen Survival Kit SKU-3/A and Aircraft Ejection Seat Bucket - Removal and Installation	Hard copy	8	Sep 96	Onboard

IV.B.3. TECHNICAL MANUALS

TECHNICAL MANUAL NUMBER / TITLE	MEDIUM	QTY REQD	DATE REQD	STATUS
A1-F18AC-240-100 Principles of Operation - Secondary Power System	Hard copy	8	Sep 96	Onboard
A1-F18AC-240-200 Testing and Troubleshooting - Secondary Power System	Hard copy	8	Sep 96	Onboard
A1-F18AC-410-100 Principles of Operation - Environmental Control System	Hard copy	8	Sep 96	Onboard
A1-F18AC-410-200 Testing and Troubleshooting - Environmental Control System	Hard copy	8	Sep 96	Onboard
A1-F18AC-410-300 System Maintenance with Illustrated Parts Breakdown - Environmental Control System	Hard copy	8	Sep 96	Onboard
A1-F18AC-410-310 System Maintenance with Illustrated Parts Breakdown - Environmental Control System	Hard copy	8	Sep 96	Onboard
A1-F18AC-410-500 System Schematics Environmental Control System	Hard copy	8	Sep 96	Onboard
A1-F18AC-AML-000 Aircraft Technical Documentation List	Hard copy	1	Sep 96	Onboard
A1-F18AC-CSS-000 Cross Services Guide for U.S. Navy Models	Hard copy	1	Sep 96	Onboard
A1-F18AC-FIM-000 Fault Isolation Manual	Hard copy	8	Sep 96	Onboard
A1-F18AC-FRM-OOO Fault Reporting Manual	Hard copy	8	Sep 96	Onboard
A1-F18AC-GAI-000 General Aircraft Information	Hard copy	8	Sep 96	Onboard
A1-F18AC-IPB-460 Parts List Index	Hard copy	1	Sep 96	Onboard
A1-F18AC-IPB450 Parts List Index	Hard copy	1	Sep 96	Onboard
A1-F18AC-LMM-000 Line Maintenance Procedures	Hard copy	8	Sep 96	Onboard

IV.B.3. TECHNICAL MANUALS

TECHNICAL MANUAL NUMBER / TITLE	MEDIUM	QTY REQD	DATE REQD	STATUS
A1-F18AC-LMM-010 Line Maintenance Access Doors	Hard copy	8	Sep 96	Onboard
A1-F18AC-LMM-020 Line Maintenance Emergency Procedures	Hard copy	8	Sep 96	Onboard
A1-F18AC-LMM-030 Line Maintenance Conditional Inspections	Hard copy	1	Sep 96	Onboard
A1-F18AC-MRC-000 Periodic Maintenance Information Cards	Hard copy	8	Sep 96	Onboard
A1-F18AC-MRC-100 Turnaround Checklist	Hard copy	8	Sep 96	Onboard
A1-F18AC-MRC-200 Daily Maintenance Requirements Cards	Hard copy	8	Sep 96	Onboard
A1-F18AC-MRC-250 Special/Preservation Maintenance Requirement Cards	Hard copy	8	Sep 96	Onboard
A1-F18AC-MRC-300 Phased Maintenance Requirement Cards	Hard copy	8	Sep 96	Onboard
A1-F18AC-NFM-000 NATOPS Flight Manual	Hard copy	1	Sep 96	Onboard
A1-F18AC-PCM-000 Plane Captain Manual	Hard copy	8	Sep 96	Onboard
A1-F18AC-PIM-000 System Maintenance with Illustrated Parts Breakdown, Piping Installation	Hard copy	1	Sep 96	Onboard
A1-F18AC-PIM-010 System Maintenance with Illustrated Parts Breakdown, Piping Installation	Hard copy	1	Sep 96	Onboard
A1-F18AC-SRM-220 Organizational, Intermediate, and Depot Maintenance-Structure Repair Forward Fuselage	Hard copy	8	Sep 96	Onboard
A1-F18AC-WUC-800 Work Unit Code Manual	Hard copy	8	Sep 96	Onboard
A1-F18AE FRM-000 Fault Reporting Manual	Hard copy	8	Sep 96	Onboard

IV.B.3. TECHNICAL MANUALS

TECHNICAL MANUAL NUMBER / TITLE	MEDIUM	QTY REQD	DATE REQD	STATUS
A1-F18AE-120-600 Checklist, Challenge and Reply - Remove/Install by Disassembly	Hard copy	8	Sep 96	Onboard
A1-F18AE-120-650 Checklist, Challenge and Reply - Remove/Install by Unit	Hard copy	8	Sep 96	Onboard
A1-F18AE-120-700 Checklist, Challenge and Reply - Survival Kit Cushion, Remove and Install	Hard copy	8	Sep 96	Onboard
A1-F18AE-580-100 Principles of Operation, Flight Incident Recorder and Monitoring System	Hard copy	8	Sep 96	Onboard
A1-F18AE-MRC-000 Periodic Maintenance Information Cards	Hard copy	8	Sep 96	Onboard
A1-F18AE-MRC-100 Turnaround Checklist	Hard copy	8	Sep 96	Onboard
A1-F18AE-MRC-200 Daily Maintenance Requirements Cards	Hard copy	8	Sep 96	Onboard
A1-F18AE-MRC-250 Special/Preservation Maintenance Requirements Cards	Hard copy	8	Sep 96	Onboard
A1-F18AE-MRC-300 Phased Maintenance Requirements Cards	Hard copy	8	Sep 96	Onboard
DOD-STD-1686 ESD Control Program for Protection of Electrical and Electronic Parts, Assemblies and Equipment (Excluding Electrically Initiated Devices)	Hard copy	1	Sep 96	Onboard
NAVAIR 00-25-100 Technical Manual Program	Hard copy	1	Sep 96	Onboard
NAVAIR 11-100-1.1 General Use Cartridges and Cartridge Actuated Devices for Aircraft and Unique Aircraft Systems (CADS)	Hard copy	8	Sep 96	Onboard
NAVAIR 11-85-1 Aircrew Escape Propulsion System Devices (AEPS)	Hard copy	8	Sep 96	Onboard
NAVAIR 13-1-36 Organizational Maintenance with Illustrated Parts Breakdown, Aircraft Ejection Seat, SJU-17(V)A Series	Hard copy	8	Sep 96	Onboard

IV.B.3. TECHNICAL MANUALS

TECHNICAL MANUAL NUMBER / TITLE	MEDIUM	QTY REQD	DATE REQD	STATUS
NAVAIR 13-1-37 Challenge/Reply De-arm/Arm-Checklist, Personnel Ejection Seat	Hard copy	8	Sep 96	Onboard
NAVAIR 13-600-15-6.3 Periodic Maintenance Requirement Cards, Ejection Seats SJU-17(V) 1/A - SJU-17(V) 6/A	Hard copy	8	Sep 96	Onboard
OPNAVINST 4790.2 Series Naval Aviation Maintenance Program	Hard copy	1	Sep 96	Onboard

CIN, COURSE TITLE: C-602-9959, F-14D Environmental/Escape Systems (Initial) Organizational Maintenance (Track D-602-1667)
TRAINING ACTIVITY: MTU 1007 NAMTRAU
LOCATION, UIC: Oceana, 66045

TECHNICAL MANUAL NUMBER / TITLE	MEDIUM	QTY REQD	DATE REQD	STATUS
DOD-HDBK-263 Electrostatic Discharge (ESD) Control Program for Protection of Electrical and Electronic Parts, Assemblies and Equipment	Hard copy	1	Sep 96	Onboard
DOD-STD-1686 ESD Control Program for Protection of Electrical and Electronic Parts, Assemblies and Equipment (Excluding Electrically Initiated Devices)	Hard copy	1	Sep 96	Onboard
NAVAIR 01-F14AAD-2-1 General Aircraft Information	Hard copy	1	Sep 96	Onboard
NAVAIR 01-F14AA-8 Work Unit Code Manual	Hard copy	1	Sep 96	Onboard
NAVAIR 01-F14AAD-2-2-13 Principles of Operation, Armament Systems	Hard copy	8	Sep 96	Onboard
NAVAIR 01-F14AAD-2-2-16.3 Integrated Weapon Systems Functional Diagrams	Hard copy	8	Sep 96	Onboard
NAVAIR 01-F14AAD-2-2-2 Principles of Operation, Environmental Control System (ECS)	Hard copy	8	Sep 96	Onboard
NAVAIR 01-F14AAD-2-2-3 Principles of Operation, Escape Systems	Hard copy	8	Sep 96	Onboard
NAVAIR 01-F14AAD-2-2-6 Principles of Operation, Propulsion Systems	Hard copy	8	Sep 96	Onboard

IV.B.3. TECHNICAL MANUALS

TECHNICAL MANUAL NUMBER / TITLE	MEDIUM	QTY REQD	DATE REQD	STATUS
NAVAIR 01-F14AAD-2-3-2 Testing and Troubleshooting, Environmental Control System	Hard copy	8	Sep 96	Onboard
NAVAIR 01-F14AAD-2-3-3 Testing and Troubleshooting, Escape Systems	Hard copy	8	Sep 96	Onboard
NAVAIR 01-F14AAD-2-30 Checklist Challenge/Reply, Personnel Ejection Seat, SJU17(V)3/A and SJU17(V)4/A	Hard copy	8	Sep 96	Onboard
NAVAIR 01-F14AAD-2-4-2 Maintenance Manual, Environmental Control System	Hard copy	8	Sep 96	Onboard
NAVAIR 01-F14AAD-2-4-3 Maintenance Manual, Escape Systems	Hard copy	8	Sep 96	Onboard
NAVAIR 01-F14AAD-4-2 Illustrated Parts Breakdown, Environmental Control System	Hard copy	8	Sep 96	Onboard
NAVAIR 01-F14AAD-4-3 Illustrated Parts Breakdown, Escape Systems	Hard copy	8	Sep 96	Onboard
NAVAIR 01-F14AAD-6-2 Maintenance Requirement Cards, Daily/Servicing	Hard copy	8	Sep 96	Onboard
NAVAIR 01-F14AAD-6-3 Maintenance Requirement Cards, Special/Preservation/Conditional/ASPA Inspections	Hard copy	8	Sep 96	Onboard
NAVAIR 01-F14AAD-6-4 Phase Maintenance Cards	Hard copy	1	Sep 96	Onboard
NAVAIR 11-100-1.1 General Use Cartridges and Cartridge Actuated Devices for Aircraft and Unique Aircraft Systems (CADS)	Hard copy	8	Sep 96	Onboard
NAVAIR 11-85-1 Aircrew Escape Propulsion System Devices (AEPS)	Hard copy	8	Sep 96	Onboard
NAVAIR 13-1-36 Organizational Maintenance with Illustrated Parts Breakdown, Aircraft Ejection Seat, SJU-17(V)A Series	Hard copy	8	Sep 96	Onboard
NAVAIR 13-1-37 Challenge/Reply De-arm/Arm-Checklist, Personnel Ejection Seat	Hard copy	8	Sep 96	Onboard

IV.B.3. TECHNICAL MANUALS

TECHNICAL MANUAL NUMBER / TITLE	MEDIUM	QTY REQD	DATE REQD	STATUS
NAVAIR 13-600-15-6.3 Periodic Maintenance Requirement Cards, Ejection Seats SJU-17(V) 1/A - SJU-17(V) 6/A	Hard copy	8	Sep 96	Onboard
OPNAVINST 4790.2 Series Naval Aviation Maintenance Program	Hard copy	1	Sep 96	Onboard

CIN, COURSE TITLE: C-602-9980, F/A-18E/F Environment Control System and Safety Equipment (Initial) Organizational Maintenance (Track E-602-0664)
TRAINING ACTIVITY: MTU 1038
LOCATION, UIC: NAMTRAU Lemoore, 66060

TECHNICAL MANUAL NUMBER / TITLE	MEDIUM	QTY REQD	DATE REQD	STATUS
A1-F18EA-GAI-000 General Aircraft Information	IETM	12	Jul 00	Onboard
A1-F18EA-MRC-200 Daily Maintenance Requirement Cards	ITEM	12	Jul 00	Onboard

PART V - MPT MILESTONES

COG CODE	MPT MILESTONES	DATE	STATUS
PDA	Conducted Analysis of MPT Requirements	FY84	Completed
OPO	Programmed Manpower and Training Resource Requirements	FY85	Completed
PDA	Promulgated ILS Master Plan	FY85	Completed
PDA	Awarded Production Contract	FY85	Completed
PDA	Distributed Draft NTP for Review	FY85	Completed
PDA	Submitted Proposed NTP to OPNAV	FY85	Completed
TSA	Awarded Factory Training And Curriculum Material Contract	FY85	Completed
ACNO (MPT)	Approved and Promulgated NTP	FY86	Completed
TSA	Began Initial Training	Aug 88	Completed
TSA	Began Training Services	Aug 88	Completed
OPTEVFOR	Began OPEVAL	Apr 89	Completed
ACNO (MPT)	Promulgated Updated NTP	Jun 89	Completed
PDA	Began Fleet Introduction	Feb 90	Completed
TSA	Delivered TTE	Mar 90	Completed
TSA	Delivered Curricula Materials	Apr 90	Completed
PDA	Attained NSD for CADs and AEPS	Oct 90	Completed
TSA	Installed TTE	Apr 90	Completed
TA	Began Transition Training	May 91	Completed
TSA	Began Follow-On Training (Organizational)	Jan 92	Completed
PDA	Attained NSD	Oct 94	Completed
PDA	Attained MSD	Oct 94	Completed
PDA	Updated NTSP	Mar 00	Completed
PDA	Distributed Draft NSTP for Review	Apr 00	Completed
OPO	Approve NTSP	Dec 00	Pending

PART VI - ACTION ITEMS / ACTION REQUIRED

ACTION ITEM OR ACTION REQUIRED	COMMAND ACTION	DUE DATE	STATUS

No action items pending.

PART VII - POINTS OF CONTACT

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SUMMARY OF COMMENTS

ON THE

SJU-17(V) NAVY AIRCREW

COMMON EJECTION SEAT

DRAFT NAVY TRAINING SYSTEM PLAN

OF APRIL 2000

N88-NTSP-A-50-8517C/D

Prepared by: AE1 Richard Axtell, AIR-3.4.1
Contact at: (301) 757-3087
Date submitted: 21 November 2000

COMMENTS / RECOMMENDATIONS ON THE
SJU-17(V) NAVY AIRCREWCOMMON EJECTION SEAT
DRAFT NAVY TRAINING SYSTEM PLAN

TABLE OF CONTENTS

***ACTIVITIES PROVIDING COMMENTS*:**

COMMENTS / RECOMMENDATIONS ON THE
SJU-17(V) NAVY AIRCREWCOMMON EJECTION SEAT
DRAFT NAVY TRAINING SYSTEM PLAN

ACTIVITY NAME: Chief of Naval Operations (N75)

COMMENT: Page I-10, Initial Training, Instructors.

This section describes Martin-Baker as having provided initial training at NAMTRAGRU DET Miramar and further said that remaining ASTC Instructors get training from those who attended initial training. Not clear if original attendees were provided materials to use in training the remaining ASTC instructors. Recommend clarification.

INCORPORATED: NO

REMARKS: Initial training was completed close to ten years ago; providing more detail at this time is unnecessary.

COMMENT: Page I-16, Aviation Maintenance Training Continuum System (AMTCS).

AMTCS is described as the mechanism that will soon be used to deliver tailored, "just-in-time" training to aviation personnel. The ability to provide training in this fashion would likely require the use of instructional segments that are relatively small in size, and have the ability to be used outside the sequence of which they are normally a part. Not clear if existing instructional materials will lend themselves to use in this fashion. Recommend NTSP clarify whether or not existing instructional materials will readily integrate into AMTCS. If integration into AMTCS will not be simple, recommend NTSP discuss plans for making appropriate modifications to instructional materials.

INCORPORATED: YES

REMARKS:

COMMENT: Page I-18, Technical Data Plan, Development Manuals/Formal Technical Manuals.

A statement is made that Development Manuals (DMs) and the subsequent Formal Technical Manuals will be provided in paper copy and Interactive Electronic Technical Manuals (IETM) format. However, element IV.B.3 (Technical Manuals) makes no reference to the availability of manuals in the IETM format. Recommend correction.

INCORPORATED: YES

REMARKS: Change to note in Part IV (page IV-1). ITEM is currently being implemented at NAMTRAU Lemoore.

COMMENTS / RECOMMENDATIONS ON THE
SJU-17(V) NAVY AIRCREWCOMMON EJECTION SEAT
DRAFT NAVY TRAINING SYSTEM PLAN

COMMENT: Page I-19.

Difference training is cited as the means for transitioning personnel with F-14 specific NECs into the equivalent F/A-18 NEC. There is no description of this difference training elsewhere in the NTSP. Recommend NTSP provide information on when and where difference training is provided.

INCORPORATED: NO

REMARKS: The timing of the difference training is dependent upon transition of squadrons from F-14 to F/A-18E/F (see schedule on page I-20). Location of the training will be done on-site at the activity transitioning from the F-14 to F/A-18E/F aircraft. Refer to the F/A-18 NTSP for further details on difference training.

COMMENT: Page IV-16, element IV.B.2.

Curricula Material and Training Aids. The three courses listed in this section all cite the use of 35mm slides or transparencies. Recommend NTSP indicate if any media analysis was conducted indicating that this is still the most appropriate instructional approach.

INCORPORATED: NO

REMARKS: The 35mm slides and transparencies are used as per the course outlines. There is a specific process that must be followed to establish a requirement such as suggested in the comment. The Fleet is responsible for identifying a need due to a change in policy or doctrine, change in a weapon system, a new and emerging weapon system, or a change in technology. This need must be addressed though the MTRR, ATRR, OAG, or NATSAG meetings. N789 Requirements Officers attend each of these meetings. If this need is identified as a priority at any of these meetings and is assigned a high priority, a training requirement will be set by OPNAV (N789).

The NTSP <u>cannot</u> address or recommend the conversion of existing courseware. Unless a requirement is set and approved by OPNAV, a change cannot be made in the delivery method. Fleet members must take responsibility to use the process to establish a new requirement. They must attend the meetings discussed above or use correspondence sent through the appropriate chain to N789 stating the need and providing impact statements if the change is not made.

The NTSP documents the current status of the training system and addresses approved training requirements. When the fleet need becomes an approved requirement, the assigned PMA205 aircraft or equipment APM(TS) will POM for and procure the appropriate training solution. At that time the PMA205 APM(TS) will be responsible for updating the NTSP via AIR 3.4.1.

COMMENTS / RECOMMENDATIONS ON THE
SJU-17(V) NAVY AIRCREWCOMMON EJECTION SEAT
DRAFT NAVY TRAINING SYSTEM PLAN

ACTIVITY NAME: NAVAVNDEPOT Cherry Point

COMMENT: Page I-3, paragraph G.(1), third paragraph.

The NACES is equipped with an environmentally sealed five-year parachute. (The parachute has a six-year repack cycle.)

INCORPORATED: YES

REMARKS: None

COMMENT: Page I-8, paragraph 2.b.

Again, a six-year chute.

INCORPORATED: YES

REMARKS: None

COMMENT: Page I-8, paragraph 2.b.

IMAs for the West Coast, NAVAVNDEPOT North Island, California, should be removed, as this is a DEPOT.

INCORPORATED: YES

REMARKS: None

COMMENT: Page I-8, paragraph 2.b.

IMAs for East Coast, NAVAVNDEPOT Cherry Point, North Carolina, is home for the In-service Fleet Support Team but it is not an IMA

INCORPORATED: YES

REMARKS: None

COMMENT: Page I-8, bottom of page.

* IMAs not equipped with a parachute packing press utilize local contractors for specific work needed. Should read, IMAs not equipped with a parachute packing press utilize other Navy and Marine IMA who have a parachute packing press for repack.

INCORPORATED: YES

REMARKS: None

COMMENTS / RECOMMENDATIONS ON THE
SJU-17(V) NAVY AIRCREWCOMMON EJECTION SEAT
DRAFT NAVY TRAINING SYSTEM PLAN

COMMENT: I-9, paragraph 2.c.

NAVAVNDEPOT Cherry Point has been selected for NACES component repair and serves as the Centralized FST. Should read NAVAVNDEPOT Cherry Point serves as the In-service Fleet Support Team. NAVAVNDEPOT North Island, California, has been selected as the NACES component repair facility.

INCORPORATED: YES

REMARKS: None

COMMENT: Page I-12, subparagraph (2)(a)1).

F-14D and F/A-18C/D should include E/F on the F/A18-C/D.

INCORPORATED: NO

REMARKS: Refer to page I-14, subparagraph (2)(a)2) for F/A-18E/F.